

19991119.qrp v01_n644.qrl.991119

Date: Fri, 19 Nov 1999 19:03:08 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1644

QRP-L Digest 1644

Topics covered in this issue include:

- 1) [56292] Free Net Access?
by <SFIKE@twc.com>
- 2) [56293] Re: Oscillator Design Articles from HamRadio Magazine
by Robert McConnell <rmcconne@lightlink.com>
- 3) [56294] Re: OPERATING: The Atomic Clock of woe (long)
by K2UD@aol.com
- 4) [56295] RE: Coax question
by Brad Bradfield <b_bradfield@yahoo.com>
- 5) [56296] Re: Info on The CTHA?
by Bob Nielsen <nielsen@primenet.com>
- 6) [56297] Re: Coax question
by Bob Nielsen <nielsen@primenet.com>
- 7) [56298] Re: PROP: Busy day on the sun
by Tom Randall <trandall@idsi.net>
- 8) [56299] Re: Leonids and Activity
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 9) [56300] Re: Info on The CTHA?
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 10) [56301] Re: Free Net Access?
by "Michael Bower - N4NMR" <bowerm@ix.netcom.com>
- 11) [56302] Re: did anyone hear me?
by "Nick Kennedy" <nkennedy@cswnet.com>
- 12) [56303] Re: Coax question
by "Nick Kennedy" <nkennedy@cswnet.com>
- 13) [56304] Help with tutorials
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 14) [56305] Low power Ten Tec 515
by "Thom Durfee" <wi8w@arrl.net>
- 15) [56306] dixie pixie...arise!
by neil tanner <ntan@crosslink.net>
- 16) [56307] Re: March Paddles?
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 17) [56308] HELP: toroids
by John Payne <paynej1@strato.net>
- 18) [56309] Re: Free Net Access?
by David S Byington <n0xes@juno.com>
- 19) [56310] Qrp in Reno/Tahoe Area

- by "Bruce2" <Bruce2@prodigy.net>
- 20) [56311] CONTEST: QRP This Weekend
by Ken Newman <N2CQ@citnet.com>
- 21) [56312] Re: FOX-N5TW-great job
by Don Minkoff <cowchip@mediaone.net>
- 22) [56313] Anyone ever use an "air core" balun ?
by WB9MII@aol.com
- 23) [56314] RCVR: Glows in the Dark...
by Bruce Hopkins - KL7H <kl7h@arrl.net>
- 24) [56315] millenium facts
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 25) [56316] Re: Elmer 100: Continous Ham Radio Education (rather long)
by "Sly (9M8SL)" <cqsly@tm.net.my>
- 26) [56317] Re: Elmer 100: Continous Ham Radio Education (rather long)
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 27) [56318] HB - spectral purity measurements without SA - help??
by n5ib@juno.com
- 28) [56319] Re: March Paddles?
by Michael Melland <badger@vbe.com>
- 29) [56320] Tuna Tin 2 First QSO
by "Edward A Kwik jr" <eakwikjr@hti.com>
- 30) [56321] Re: Anyone ever use an "air core" balun ?
by "Chuck Carpenter" <w5usj@globeco.net>
- 31) [56322] Re: Elmer 100: Continous Ham Radio Education (rather long)
by "Sly (9M8SL)" <cqsly@tm.net.my>
- 32) [56323] Re: Free Net Access?
by Ray Colbert <af852@rgfn.epcc.edu>
- 33) [56324] Re: Anyone ever use an "air core" balun ?
by Macstein@aol.com
- 34) [56325] RE: Anyone ever use an "air core" balun ?
by Karl Kanalz <KKanalz@excel.com>
- 35) [56326] Re: Tuna Tin 2 First QSO
by "George Heron N2APB" <n2apb@erols.com>
- 36) [56327] Re: FOX-N5TW-great job
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 37) [56328] FOXHUNT!!! Text Schedule v 1.1
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 38) [56329] Re: HB - spectral purity measurements without SA - help??
by "Charlie Fitts" <cfitts@neca.com>
- 39) [56330] HB: Sources for circuit board material?
by "George Heron N2APB" <n2apb@erols.com>
- 40) [56331] RE:HELP:toroids
by John Payne <paynej1@strato.net>
- 41) [56332] Re: HB: Sources for circuit board material?
by Bruce Kizerian <kizerian@ced.utah.edu>
- 42) [56333] Re: HB: Sources for circuit board material?
by neil <neil@aade.com>
- 43) [56334] FOXHUNT:Team Scores

by Bruce Rattray <rattray@gpfn.sk.ca>
44) [56335] Tuna Tin 2 -- really cooking now -- 4 states last night
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
45) [56336] Re: RCVR: Glows in the Dark...
by david fouchey <dafouchey@home.com>
46) [56337] Re: Anyone ever use an "air core" balun ?
by Monte Stark <ku7y@dri.edu>
47) [56338] FOXHUNT:Team Scores (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
48) [56339] Re: Anyone ever use an "air core" balun ?
by "Cla KA0GKC" <ka0gkc@arrl.net>
49) [56340] ADMIN: Please update the list.
by "Cla KA0GKC" <ka0gkc@arrl.net>
50) [56341] More Ten Tec 515 repair notes
by "ai2q" <ai2q@ispchannel.com>
51) [56342] Vibroplex: K8FF NorCAL key
by "Mark Hogan" <mhogan@email.msn.com>
52) [56343] Re: HB: Sources for circuit board material?
by gsurrency@juno.com
53) [56344] Re: HB - spectral purity measurements without SA - help??
by gsurrency@juno.com
54) [56345] PARTS: Bourns 3610S 10K,10T,Prec. Knobpot
by Michael Melland <badger@vbe.com>
55) [56346] HB: SOURCES FOR CIRCUIT B
by chuck.olson@sbaonline.gov
56) [56347] Logarithms and QRP
by Ed Loranger <we6w@qsl.net>
57) [56348] Re: Logarithms and QRP
by igeq100@iupui.edu
58) [56349] Re: Vibroplex: K8FF NorCAL key
by "Ron Smith" <resmith666@uswest.net>
59) [56350] Re: Vibroplex: K8FF NorCAL key
by Michael Melland <badger@vbe.com>
60) [56351] Re: PARTS: Bourns 3610S 10K,10T,Prec. Knobpot
by "John J. McDonough" <jjmcd@tm.net>
61) [56352] Re:Logarithms and QRP
by Ed Loranger <we6w@qsl.net>
62) [56353] Re: HB: SOURCES FOR CIRCUIT B
by sergio <sruiz@bright.net>
63) [56354] Re: Vibroplex: K8FF NorCAL key
by Paul Erickson <paule@sfu.ca>
64) [56355] Re:Logarithms and QRP
by "Jesse Hires" <jhires@hotmail.com>
65) [56356] Leonids in NM
by "Paul Harden, NA5N" <na5n@rt66.com>
66) [56357] Re: Logarithms and QRP
by Ed Loranger <we6w@qsl.net>
67) [56358] Update on Doug KI6DS

by "Paul Harden, NA5N" <na5n@rt66.com>
68) [56359] New QRP Item(s)
by Joseph Trombino Jr <joebarb@wilmington.net>
69) [56360] Re: Logarithms and QRP
by Ed Loranger <we6w@qsl.net>
70) [56361] Re: Update on Doug KI6DS
by Niel Skousen <skousen@srv.net>
71) [56362] [Admin] Leaving town.....
by GElam30092@aol.com
72) [56363] Re: Leonids in NM
by Bruce Grubbs N7CEE <n7cee@arrl.net>
73) [56364] RE: Logarithms and QRP
by "Jerry Bartachek" <jbartac@max.state.ia.us>
74) [56365] Re: Leonids in NM
by Ray Colbert <af852@rgfn.epcc.edu>
75) [56366] Re: Logarithms and QRP
by Tim Ahrens <tahrens@hilconet.com>
76) [56367] Re: Vibroplex: K8FF NorCA1 key
by Brian Murrey <brian@iquest.net>
77) [56368] RE: New QRP Item(s)
by Mike Gipe <mgipe@reliablemeters.com>
78) [56369] Selecting a QRP rig.
by "Tom Scott" <tscott@eni.net>
79) [56370] of coax and tuners
by <SFIKE@twa.com>
80) [56371] FOX: Early Warning for K5LN
by K5ln@aol.com
81) [56372] FOX: Final Log
by "Tom Whiteside" <n5tw@igg-tx.net>
82) [56373] Re: Vibroplex: K8FF NorCA1 key
by K2UD@aol.com
83) [56374] Blue Sky Eng Query
by Paul Stroud <aa4xx@ipass.net>
84) [56375] [Fwd: Antenna notes]
by Paul Stroud <aa4xx@ipass.net>
85) [56376] Re: Vibroplex: K8FF NorCA1 key
by Jim Lowman <jmlowman@ix.netcom.com>

Date: 18 Nov 1999 16:22:15 LOC
From: <SFIKE@twa.com>
To: <qrp-1@lehigh.edu>
Subject: [56292] Free Net Access?
Message-ID: <19991118.162215.SFIKE@twa.com>

This is a question I wouldn't ordinarily ask, but seeing how the group members of this list are the most "wired" and "connected" I know of, I will....

Does anybody on this list use any of the free internet service providers (ISP)? There are only two good ones that I'm aware of; "NET ZERO" and "ALTA VISTA". If so; I was wondering how much luck you have had with these services? Have the connections been very reliable? What are your overall impressions compared with regular, for-profit ISP's? I have been thinking about trying either of the services I mentioned above and was wondering wich one (or others) seem to provide reasonably good service.

Thanks and sorry for the bandwidth.

72

Scott

Date: Thu, 18 Nov 1999 18:47:34
From: Robert McConnell <rmcconne@lightlink.com>
To: muleskiner@gateway.net
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [56293] Re: Oscillator Design Articles from HamRadio Magazine
Message-ID: <3.0.6.16.19991118184734.2127d7ec@pop.lightlink.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Wasn't there one about building a temperature corrected oscillator (TCO) as well. I remember drooling over one that could be tweaked by using a selection of NPO and negative coefficient capacitors so that it was both stable and accurate. I think I remember that the specs were comparable to the shipboard frequency standard the Navy used in the late '60s.

Bob McConnell
N2SPP

At 07:09 AM 11/18/99 -0800, muleskiner wrote:

>Two that I can can immediately cite are:

>

>1) Colpitts oscillator design technique, Larry Leighton, WB6BPI, Ham Radio,
>July 1978, pgs 78-87

>2) VFO design using characteristic curves, Maurizio Gramigni, I2BVZ, Ham
>Radio, June 1978, pgs 36-38

>

>There were more, but I'll have to search my files for them.

>

>John

>

>

Date: Thu, 18 Nov 1999 18:57:42 EST
From: K2UD@aol.com
To: ccart@phideaux.com
Cc: qrp-1@lehigh.edu
Subject: [56294] Re: OPERATING: The Atomic Clock of woe (long)
Message-ID: <0.726bb2fa.2565ec76@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

At this shack, the Energizer battery I put in after receiving the clock is still running, just now telling me that it would like to be replaced. What is it, 2 months maybe?

What can be done with a 1.5V battery! This should give entrants into the latest building contest challenge some thought about what can be done with such low voltage. My 1.5V pager is another marvel of technology that uses the same battery. I wonder if they have voltage multipliers in them?

72

Howard Kraus, K2UD

Date: Thu, 18 Nov 1999 16:25:06 -0800 (PST)
From: Brad Bradfield <b_bradfield@yahoo.com>
To: david.sarrafa@thermacore.com, qrp-1@lehigh.edu
Subject: [56295] RE: Coax question
Message-ID: <19991119002506.21199.rocketmail@web209.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello David - -

Never seen this stuff, but wonder if it might be akin to Andrews Radiax. Radiax is essentially Heliax, but with a small slice cut off the top of each "peak" in it's corrugations so as to radiate a signal along it's length. It's used, for instance, by running it the length of a train tunnel so that the train can have communications throughout the length of the tunnel.

Oh, well.

72's es 73's,

Brad, W5CGH

=====

Brad Bradfield, PE Former Senior Systems Engineer
W5CGH (ex WB0CGH) for Raytheon Systems Company

Real men talk with their fingers!!

NORTEX QRP-L #377 QRP-ARCI #10012 SMIRK #4906
ARS #72 NORCAL Austin QRP Club #i

Do You Yahoo!?

Bid and sell for free at <http://auctions.yahoo.com>

Date: Thu, 18 Nov 1999 17:38:52 -0700
From: Bob Nielsen <nielsen@primenet.com>
To: qrp-l@lehigh.edu
Subject: [56296] Re: Info on The CTHA?
Message-ID: <19991118173852.A4034@bob.localnet>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The web site www.nomosno.com has very little additional information than the ad. Nothing technical. I expect performance would be similar to the MFJ or AEA loops or Bilal Isotron, very narrow bandwidth and low efficiency. The say it will replace a dipole and then say it was tested by the Navy to show a 300% improvement over a monopole looks like arm-waving. I'm don't think I would spend \$300 (at a discount) to find out if it is a cloud warmer (or shack warmer). In the car trunk? Why not inside a Faraday cage?

Sounds more like "mo sno" to me. The bit about the Navy reminds me of the ads in the 1980s for the Maxcom antenna that had a 50 ohm resistor for its tuning network (scathingly reviewed in the Nov. 1984 QST).

Bob, W6SWE

On Thu, Nov 18, 1999 at 04:34:57PM +0000, Benjamin F. Poinsett wrote:

> Does anyone have experience with the Contrawound Toroidal Helical
> Antenna (CTHA). There is an ad for one on page 166 of the December
> 1999 QST.
>
> I got some info on this antenna a few years ago from the West Virginia
> University (WVU) and it looked like a good possibility for a
> "cliff dweller" ham.
>

> The antenna is suppose to have a near isotropic (equal radiation in
> all directions) pattern and be able to "...Transmit & Receive while
> hidden in car trunk..." Sounds ideal for a condo ham like me.
>
> It's a little pricey, i.e., \$289.95 + \$9.95 S&H with the ad.
> So if anyone has used one let me how it works.Would be especially
> interested in hearing how it performs inside a modern steel, concrete,
> brick, and aluminum building.
>
> Thanks -- 72 & 73,
>
> Ben Poinsett, K3BP
> Bethesda, MD

--

Bob Nielsen	Internet: nielsen@primenet.com
Tucson, AZ	AMPRnet: w6swe@w6swe.ampr.org
DM42nh	http://www.primenet.com/~nielsen

Date: Thu, 18 Nov 1999 17:42:10 -0700
From: Bob Nielsen <nielsen@primenet.com>
To: qrp-l@lehigh.edu
Subject: [56297] Re: Coax question
Message-ID: <19991118174210.B4034@bob.localnet>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On Thu, Nov 18, 1999 at 05:16:20PM -0500, david.sarrafa@thermacore.com wrote:
> While perusing an old Amphenol coax datasheet I noticed that they furnished
> two different types of cable with a nichrome center conductor. One of them
> was RG21; the other was, I believe, RG41. Understandably, these both had
> by far the highest losses of any of the cables listed. Why would one want
> a cable with a lossy center conductor? The loss was not great enough to
> use as a dummy load but would certainly be high enough to avoid the cable
> for general usage.
>
>

I remember using some of this cable as a very effective dummy load at
microwave frequencies. Also a 100 foot coil of RG-55. This was in the
early 1960's when good coaxial loads were not as easily available as
today.

Bob, W6SWE

--

Bob Nielsen Internet: nielsen@primenet.com
Tucson, AZ AMPRnet: w6swe@w6swe.ampr.org
DM42nh http://www.primenet.com/~nielsen

Date: Thu, 18 Nov 1999 20:33:09 -0500
From: Tom Randall <trandall@idsi.net>
To: qrp-1@Lehigh.EDU
Subject: [56298] Re: PROP: Busy day on the sun
Message-ID: <199911190133.UAA01907@pop.idsi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Paul wrote:

"For those interested in keeping an eye on the progress of the current active sun, look at: www.sel.noaa/today.html
This NOAA site has gobs of information. Scroll down their "Today's Space Weather" page a bit and you will come to several charts. One is the X-ray energy as detected by the 2 GOES satellites, and you can clearly see all the flare activity today. Beneath that is the K-index, measured every three hours. Yellow bars signify ACTIVE geomagnetic conditions, while RED (K>5) is major to severe storming."

Old Sol has indeed been VERY active, there are some fantastic sunspots currently visible. A few larger than our own planet! I'm also an amateur astronomer and have been doing sunspot counts for the AAVSO solar division for the past 6 1/2 years. I just aquired a Kodak DC-240 digital camera and started taking images through my Meade 4" schmidt. Check out my web site (see my sig) if your interested. Thanks to Paul for the solar activity posts by the way.

I'll add to Paul's info that the following are some other great links to check out solar activity (I have LOTS more Sun links on my web site):

LIVE H-Alpha image of the Sun:
<http://dstwww.sunspot.noao.edu/sunpic.html?117,61>

Learmonth observatory with Current images:
<http://www.ips.oz.au/learmonth/solar/index.html>

Mt. Wilson daily Sunspot drawing:
http://www.astro.ucla.edu/~obs/cur_drw.html

Solar Terrestrial acitivity report:
<http://dxlc.com/solar/>

Franky Dubois takes some amazing solar images:
<http://www.digilife.be/club/Franky.Dubois/default.htm>

73,
Tom Randall

Tom Randall -- tprandall@idsi.net (Remove the "P" to e-mail me)
Amateur Radio - KB2SMS
Mt. Beacon Amateur Radio Club / ARRL / 10-10 / QRP-L #1965
Member: AAVSO Solar Division

My Astronomy/Ham radio site: <http://www1.mhv.net/~trandall/welcome.html>

Date: Thu, 18 Nov 1999 19:50:34 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [56299] Re: Leonids and Activity
Message-ID: <003f01bf3230\$7925c280\$0837a497@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

I've seen more meteors when there wasn't a shower. But I was treated to a beautiful fireball that broke in two pieces before fading directly overhead at about 0300 UTC (9:00 P.M. local) last night. Very vivid colors and much brighter than the moon. This was after the rest of the family gave up of course. I watched for about thirty more minutes and then again a couple of hours later but didn't see anything. I didn't hear any pings on HF or 2m either. The long lasting fireball made it all worth while though.

I still remember the tremendous shower of 1966 where the meteors literally fell like rain so I have been anxious for this year's Leonids. Oh well.

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://home.swbell.net/aa5tb>

Date: Thu, 18 Nov 1999 20:54:16 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: "Benjamin F. Poinsett" <benmail@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [56300] Re: Info on The CTHA?
Message-ID: <Pine.GS0.4.10.9911182046120.18937-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 18 Nov 1999, Benjamin F. Poinsett wrote:

>Does anyone have experience with the Contrawound Toroidal Helical
>Antenna (CTHA). There is an ad for one on page 166 of the December
>1999 QST.

There is a review of the CTHA antenna sold at the price mentioned in the current edition of AntenneX. The user found it to be essentially useless. It appears to be made up of simple wire around a length of fiberglass reinforced plumbing hose--the user cut open and photographed the interior. The bottom line was the reviewer's sense of embarrassment at spending so much for so little.

The review has raised some hackles on the part of the individual whose name appears on the product, but who does not claim to be the inventor. Whether the principles purported to be behind the contra-wound loop will stand up to long-term scrutiny is as much in the air as the principle purported to be behind the CFA: much controversy with experimental results outside the inventor's workshop not yet getting very much positive.

Best guess at this point: save your money until much more development and testing have been done. If really interested, you can read the review in AntenneX and build your own from materials at Home Depot for about \$10.

But that is only a guess.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	Tel: (423) 938-6335
1434 High Mesa Drive	/	\	\	----	\	---	
Knoxville, Tennessee	/\	\	\	/	/		http://www.cebik.com
37938-4443 USA	/	\	\				e-mail: cebik@utk.edu

Date: Thu, 18 Nov 1999 21:23:55 -0500
From: "Michael Bower - N4NMR" <bowerm@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [56301] Re: Free Net Access?
Message-ID: <000d01bf3235\$221dd860\$0100a8c0@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have used NetZero for a while as my BACKUP ISP. I don't think I would use it for my primary ISP even though I have found it to be reliable. I also tried to use AltaVista but had trouble and didn't bother to track it down. I suspect it was a slowness on my old computer. Now that I have a newer (FASTER!!) computer, I may try again.

Michael

----- Original Message -----

From: <SFIKE@twa.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, November 18, 1999 11:22 AM
Subject: Free Net Access?

> This is a question I wouldn't ordinarily ask, but seeing how the group
> members of this list are the most "wired" and "connected" I know of, I
will....
> Does anybody on this list use any of the free internet service providers
(ISP)?
> There are only two good ones that I'm aware of; "NET ZERO" and "ALTA
VISTA".
> If so; I was wondering how much luck you have had with these services?
Have the
> connections been very reliable? What are your overall impressions compared
with
> regular, for-profit ISP's? I have been thinking about trying either of the
> services I mentioned above and was wondering wich one (or others) seem to
> provide reasonably good service.
> Thanks and sorry for the bandwidth.
> 72
> Scott
>

Date: Thu, 18 Nov 1999 20:25:06 -0600
From: "Nick Kennedy" <nkennedy@cswnet.com>
To: <sruiz@bright.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [56302] Re: did anyone hear me?
Message-ID: <003701bf3235\$4c6c88a0\$d77154d8@the-great-c>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>calling massive amounts of cq's last night (de kb8qpt)..
>
>i have the sneaky feeling i am doing something wrong..
>
--
>__
>peace,
>sergio

You're having a heck of a time! Tell us again--what rig/power, what frequency, what antenna are you using?

72

Nick, WA5BDU

Date: Thu, 18 Nov 1999 20:35:03 -0600
From: "Nick Kennedy" <nkennedy@cswnet.com>
To: <david.sarrafa@thermacore.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [56303] Re: Coax question
Message-ID: <007201bf3236\$b052c360\$d77154d8@the-great-c>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hmmm... That's a good one. I read somewhere that the special cable they use for O'Scopes is made lossy so as to eliminate or reduce reflections. Maybe for that?

72,

Nick, WA5BDU

(Hey, maybe that's the kind of coax I had when I was a novice. That would explain things. Or maybe that's what Sergio's got.)

-----Original Message-----

From: david.sarrafa@thermacore.com <david.sarrafa@thermacore.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Thursday, November 18, 1999 4:21 PM

Subject: Coax question

>While perusing an old Amphenol coax datasheet I noticed that they furnished
>two different types of cable with a nichrome center conductor. One of them
>was RG21; the other was, I believe, RG41. Understandably, these both had
>by far the highest losses of any of the cables listed. Why would one want
>a cable with a lossy center conductor? The loss was not great enough to
>use as a dummy load but would certainly be high enough to avoid the cable
>for general usage.

>

>

>

Date: Fri, 19 Nov 1999 13:46:12 +1100

From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [56304] Help with tutorials

Message-ID: <3834B9F4.453430F2@integritynet.com.au>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

People,

Sorry for b/w. I'm as usual expanding on my tutorials for AR.

Can anybody point me to a source of circuit symbols for schematics for triodes, pentodes, CRO tubes etc.

My schematic program is not surprising, bereft of these lil' gems.

Y'all remember them don't you?

--

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14':00" S
151o:34':00" E
VK2TIP "I'll give you the TIP mate" QRP-L member #1978.
URL - <http://www.integritynet.com.au/~purdic/> URL -
<http://www.qsl.net/vk2tip/>

Date: Thu, 18 Nov 1999 21:53:32 -0500
From: "Thom Durfee" <wi8w@arrl.net>
To: "QRP-L Post" <qrp-l@Lehigh.EDU>
Subject: [56305] Low power Ten Tec 515
Message-ID: <002501bf3239\$44f69a80\$7ce22fd8@belgarion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well the verdict on my 515's low power output seems to be in.

Blown finals.

Checked the board when I got home from work tonight and both emitter resistors (2.2 ohm) have burn marks on them. Not real bad but enough to tell me that someone tuned up this little baby using air for a dummy load.

I'm pretty good with a soldering iron (I have built 2 K2's for other folks) so a new pair of transistors (matched of course) will be aquired and replaced as well as the emitter resistors. Think I will replace the driver also just to be on the safe side. Finally a complete alignment while I am at it.

Thanks to all who posted replies directly to me and to the list.

As for the Sweepstakes contest this weekend. I'll be out there running my Alinco DX70TH cranked down to 5 watts (The Ten-Tec will obviously be in the repair shop) so listen for a very weak signal coming from a highly restricted (antenna wise) apartment complex here in West Michigan. Hopefully there will be no honey-dew projects like the Sweeps CW weekend when I spent the entire weekend painting the apartment.

and 73 (I simply don't like 72
it's the year I went into the military)

Thom WI8W

Date: Thu, 18 Nov 1999 22:12:14 -0500
From: neil tanner <ntan@crosslink.net>
To: qrp list <qrp-l@lehigh.edu>
Subject: [56306] dixie pixie...arise!
Message-ID: <3834C00D.6BAD76B9@crosslink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Good news, mates----my message about outputs other Pixie2 builders were getting got me experimenting (I could only squeeze out about 200mw at 12v using 3904's) which resulted in a melt down in one of the components. Good news, I got it working again...found what I believe was the bad part...the 22uH choke was fried, which I reckon fried the 3904....substituted 2 rfc's in series (about 18uh) and used two 2n3565's..heard some guy calling cq! Checked the output and it barely budged the meter....replaced the final with a 3904 and man did that make a BIG difference! I now get about 230mw with 9v and about 420mw with 12v! Much better than before cooking!! But glad to have had the melt down cuz now this Dixie Pixie has been healed, the demons have been cast out and he's got more spunk than before. Amen bro's.....72--- brother
Neil WA4CHQrp
<http://www.qsl.net/wa4chq/radio.html>

Date: Thu, 18 Nov 1999 22:16:23 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [56307] Re: March Paddles?
Message-ID: <3834C107.F2C33DCF@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

They are quite beautiful but would it be too krass to ask the cost on this fine workmanship???

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Thu, 18 Nov 1999 22:27:03 -0800
From: John Payne <paynej1@strato.net>
To: qrp-1@lehigh.edu
Subject: [56308] HELP: toroids
Message-ID: <SAK.1999.11.18.nigrhjgl@computer>
MIME-Version: 1.0
Content-Type: Text/Plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8Bit

Can anyone direct me to a site with toroid core color codes? Or, can someone tell me which cores are which by code, etc. in Dan's 2N2/40 kit? I must confess to being a tad-bit confused!! Thanks all...

72/3 John N4FLJ

Date: Thu, 18 Nov 1999 21:44:44 -0600
From: David S Byington <n0xes@juno.com>
To: bowerm@ix.netcom.com
Cc: qrp-1@Lehigh.EDU
Subject: [56309] Re: Free Net Access?
Message-ID: <19991118.214448.-285041.0.n0xes@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Im using freewwwweb. Just go to www.freewwwweb.com Its 100% free.

On Thu, 18 Nov 1999 21:23:55 -0500 "Michael Bower - N4NMR"
<bowerm@ix.netcom.com> writes:
> I have used NetZero for a while as my BACKUP ISP. I don't think I
> would use
> it for my primary ISP even though I have found it to be reliable. I
> also

> tried to use AltaVista but had trouble and didn't bother to track it
> down.
> I suspect it was a slowness on my old computer. Now that I have a
> newer
> (FASTER!!) computer, I may try again.
>
> Michael
>
> ----- Original Message -----
> From: <SFIKE@twa.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Sent: Thursday, November 18, 1999 11:22 AM
> Subject: Free Net Access?
>
>
> > This is a question I wouldn't ordinarily ask, but seeing how the
> group
> > members of this list are the most "wired" and "connected" I know
> of, I
> will....
> > Does anybody on this list use any of the free internet service
> providers
> (ISP)?
> > There are only two good ones that I'm aware of; "NET ZERO" and
> "ALTA
> VISTA".
> > If so; I was wondering how much luck you have had with these
> services?
> Have the
> > connections been very reliable? What are your overall impressions
> compared
> with
> > regular, for-profit ISP's? I have been thinking about trying
> either of the
> > services I mentioned above and was wondering wich one (or others)
> seem to
> > provide reasonably good service.
> > Thanks and sorry for the bandwidth.
> > 72
> > Scott
> >
>

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 18 Nov 1999 20:42:48 -0800
From: "Bruce2" <Bruce2@prodigy.net>
To: <qrp-1@lehigh.edu>
Subject: [56310] Qrp in Reno/Tahoe Area
Message-ID: <003801bf3248\$8ab030e0\$84809cd1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Any qrpers in the Reno/ Tahoe and surrounding areas?
Contact me direct as several of us are trying to see if there is enough
interest to form a group.

Bruce WB4WZL

Date: Fri, 19 Nov 1999 00:03:43 -0500
From: Ken Newman <N2CQ@citnet.com>
To: QRP-L@lehigh.edu, njqrp@njqrp.org
Subject: [56311] CONTEST: QRP This Weekend
Message-ID: <3.0.6.32.19991119000343.00982ce0@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

~~~~~  
QRP CONTEST CALENDAR

Nov 20-22, 1999

~~~~~  
LI/NJ QRP Doghouse Operation Sprint (CW) *** QRP Contest ***

Nov 20 - 1700z to 2100z

Rules: http://www.njqrp.org/doghouse/doghouse_announce.html

~~~~~  
ARRL Sweepstakes (Phone) ... QRP Category

Nov 20 - 2100z to Nov 22 - 0300z

Rules: <http://www.arrl.org/contests/announcements/98/rules-novss.html>

~~~~~

HOT Party (CW) ... QRP Category

Nov 21 - 1300z to 1500z (40 Meters)

Nov 21 - 1500z to 1700z (80 Meters)

(HOMEBREW & OLDTIME - EQUIPMENT - PARTY)

Rules: <http://www.sk3bg.se/contest/hotp.htm>

~~~~~

And Later.....

~~~~~

CQ World Wide DX Contest (CW) ... QRP Category!

Nov 27 - 0000z to Nov 28 - 2400z

Rules: <http://cqww.com/cqww/cqwwrule.html>

~~~~~

ARRL 160 meter Contest (CW) ... QRP Category

Dec 3 - 2200z to Dec 5 - 1600z

Rules: <http://www.arrl.org/contests/announcements/rules-160m.html>

~~~~~

TOPS Activity 80 Meter Contest (CW) ... QRP Category

Dec 4 - 1800z to Dec 5 - 1800z

Rules: <http://home.sol.no/~jana1me/rules/tops.txt>

~~~~~

QRP ARCI Holiday Spirits Homebrew Sprint (CW) \*\*\* QRP Contest \*\*\*

Dec 5 - 2000z to 2400z

Rules: <http://www.qrparci.org/sumhom.htm> (Summer Rules OK)

~~~~~

Adventure Radio Society - Spartan Sprint (CW) *** QRP Contest ***

Dec 7 - 0200z to 0400z (Monday Evening - Americas)

Rules: http://www.natworld.com/ars/pages/spartan_sprints/ss_rules.html

~~~~~

72 de

Ken Newman - N2CQ

Woodbury, NJ

N2CQ@ARRL.NET

~~~QRP Contest Calendar~~~

<http://www.njqrp.org/data/contesting.html>

~~~WQ2RP NJQRP Club Station~~~

-----

Date: Thu, 18 Nov 1999 21:39:23 -0800  
From: Don Minkoff <cowchip@mediaone.net>  
To: qrp-l@Lehigh.EDU  
Subject: [56312] Re: FOX-N5TW-great job  
Message-ID: <3834E28B.FB53BC6D@mediaone.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=x-user-defined  
Content-Transfer-Encoding: 7bit

I enjoyed using the RIT to the full potential and finally grabbing a fox after a 45 minute chase.

Tom did a great job but now I know why he asked me for my name so many times. Can someone point me in the right direction for a schedule for upcoming FOXII with times and calls...

I got back into this mayhem after a few months of traveling and work and must have missed the announcement.

--

Don Minkoff - NK6A

QRP-L 1517

Sierra

Mar Vista, CA

-----  
Date: Fri, 19 Nov 1999 02:05:45 EST  
From: WB9MII@aol.com  
To: qrp-l@lehigh.edu  
Subject: [56313] Anyone ever use an "air core" balun ?  
Message-ID: <0.27185f92.256650c9@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Howdy folks....I always get answers from here so will try this one. Recently I ordered some good quality rg8x coax....Want to make a dipole using some decent stuff not R/S garbage. For years I've heard of a loop below the dipoles feedpoint being called an "air core balun". Has anyone ever tried this ? For 20Meters is there any specific diameter ? As usual, many thanks

72

Greg WB9MII  
QRP ARCI 9719  
Amateur Radio Post 380 American Legion.

-----  
Date: Thu, 18 Nov 1999 23:15:19 -0900  
From: Bruce Hopkins - KL7H <kl7h@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [56314] RCVR: Glows in the Dark...  
Message-ID: <v03007800b45ab49e968d@[208.161.164.105]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Gang...

Saw a post on another list I subscribe to about a company that is making a 5 tube receiver kit... For those of us who enjoy glowbug QRP this might be of interest... They show a prototype of their shortwave version that is soon to be available... For those of us that are junkie box challenged, this might be an interesting way to roll our own glow in the dark receiver... This might go real nice with my homebrew 6DQ6B transmitter...

If you would like to take a look, here is the URL:

<http://hometown.aol.com/weathrship/myhomepage/business.html>

Shortwave Prototype:

<http://hometown.aol.com/kmpfpzrw/myhomepage/index.html>

Take care and have fun...

73 - Bruce - KL7H

"Keep-em-Glowing"

"Boatanchor Barn" WebCam

<http://home.gci.net/~bhopkins/kl7h>

"Alaska QRP Club - Web Site"

<http://home.gci.net/~bhopkins/akqrp>

-----  
Date: Fri, 19 Nov 1999 21:18:03 +1100  
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [56315] millenium facts  
Message-ID: <383523DB.6833BDC8@integritynet.com.au>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang (all 1178 on my mailer),

A number of my Chinese students have appraised me of these following facts, which I disseminate without comment?

- > Today is an odd day, meaning that all of the digits are odd.
- > 11-19-1999.
- > The next odd day after that will be 1-1-3111 (well, over a thousand years
- > away),
- > which we will never see.
- > Days such as 4-13-89 have both even and odd digits,
- > thus, it is neither odd nor even.
- > The next even day will be 2-2-2000 (the first one since 8-28-0888).
- > Now we have a reason to celebrate today as it is our last odd day on
- > earth!!!!!!
- > Have a nice Odd day!

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14':00" S  
151o:34':00" E  
VK2TIP "I'll give you the TIP mate" QRP-L member #1978.  
URL - <http://www.integritynet.com.au/~purdic/> URL -  
<http://www.qsl.net/vk2tip/>

-----  
Date: Fri, 19 Nov 1999 18:21:20 +0800  
From: "Sly (9M8SL)" <cqsly@tm.net.my>  
To: dsirait@centrin.net.id  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [56316] Re: Elmer 100: Continous Ham Radio Education (rather long)  
Message-ID: <19991119102120.SMIX514@User>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Greetings Donny & Gang,

Well put Pak Donny ! Will certainly jump into the bandwagon, if I had the electronic knowledge.  
Gang, think of the domino effect it would have if such Elmer lessons are to continue on here.  
Qrpers round the globe, specially in the 3rd World would be able to gain enough knowledge to pass on and/or to build their own rigs, and before long more qrpers will be on the air from exotic places around the world !

As the Ancient Chinese Philosophers used to say:-  
'Give a man a fish, s/he will be able to eat for a day.  
Teach him/her how to fish, s/he will be able to eat for the rest of his/her life.'  
(Not the exact quotes, but vy close)  
Get it ! Much better than sending a 3rd world 'fish', hee, hee...

Tks fer the extra bandwidth...  
Vy 72/3 de Sylvester (Sly) Liew, 9M8SL  
>From 'The Hidden Paradise of Borneo', East Malaysia.

-----  
At 12:04 AM 11/19/99 +0700, you wrote:  
>Dear Talented group,  
>Some time ago there has been a discussion about contribution  
>on this list.  
>  
>I have no electronic education/background and therefore have  
>minimum ability to contribute the community on electronic know how.  
>However I would like to contribute my thoughts and hopefully



>the talented members of this list will response positively.  
>vy 72/73 de Donny YB6LD/1 QRP-L # 2004  
>Bekasi Indonesia

-----  
Date: Fri, 19 Nov 1999 21:57:37 +1100  
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [56317] Re: Elmer 100: Continous Ham Radio Education (rather long)  
Message-ID: <38352D21.14A68C65@integritynet.com.au>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

"Sly (9M8SL)" wrote:

> As the Ancient Chinese Philosophers used to say:-  
> 'Give a man a fish, s/he will be able to eat for a day.  
> Teach him/her how to fish, s/he will be able to eat for the rest of his/her  
> life.'  
> (Not the exact quotes, but vy close)

The precise quote is:

Teach him how to fish and he will sit in boat all day drinking beer!

Hi Donny and all my other mates, you know I'm with you. "Search for the knowledge", a lot of people have invested a great deal of time in putting it (knowledge) up there for you. Search for it!

> >I have no electronic education/background and therefore have  
> >minimum ability to contribute the community on electronic know how.

Donny hides his light under a bushel. He continuously makes the effort and within him the true spirit of AR burns quite brightly. He modestly forgets HIS contribution to Indonesian AR.

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14':00" S 151o:34':00" E  
VK2TIP "I'll give you the TIP mate" QRP-L member #1978.  
URL - <http://www.integritynet.com.au/~purdic/> URL - <http://www.qsl.net/vk2tip/>

-----

Date: Fri, 19 Nov 1999 07:47:33 EST  
From: n5ib@juno.com  
To: qrp-1@Lehigh.edu  
Subject: [56318] HB - spectral purity measurements without SA - help??  
Message-ID: <19991119.064626.4679.1.N5IB@juno.com>

Can anyone suggest a procedure for obtaining at least a rough quantitative idea of the spectral purity of a homebrewed transmitter - for someone without access to a spectrum analyzer.

Scope, signal generator, attenuator, TS430 with general coverage receive are available, as well as grid-dip meter. Trouble is, the agc can't be turned off on the 430, and not sure the S-meter calibration from band to band is consistent.

Just finished adding the pi-net filter to a little milliwatt design and would like to be assured its at least close to legal :^) I think that's called "due dilligence" in lawyer talk .....

73  
Jim N5IB

---

Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

---

Date: Fri, 19 Nov 1999 07:21:14 -0600  
From: Michael Melland <badger@vbe.com>  
To: tjarey@home.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [56319] Re: March Paddles?  
Message-ID: <38354ECA.AE5A01F@vbe.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

"T.J. \"SKIP\" Arey N2EI" wrote:

> They are quite beautiful but would it be too krass to ask the cost on  
> this fine workmanship???

Skip,

Like you I had to know too <grin>. I received the below from Mike March

yesterday:

--

The R-3a is available in 4 base finishes: black wrinkle, olive drab, dark grey hammertone. With plastic finger pieces the price is \$195.00 shipped. Natural brass with a spot finish is \$205.00. If you want ebony or rosewood finger pieces, \$210.00. I also do a special top assembly design for \$225.00. The engraved model is not available at this time.

Delivery time at present is 6 - 8 weeks.

-----<snip>-----

73 de Mike, W9WIS

--

Michael Melland, W9WIS  
Winneconne, Wisconsin, USA  
FISTS #4387, 10-10 #69281, QRP-L #1656,  
QRP-ARCI #9875, AK/QRP #478, NorCal,  
NJ-QRP #214, Cheeseheads QRP Club  
CW, SSB, and Electronics  
List Administrator: grundig@qth.net  
<http://www.qsl.net/w9wis>

-----

Date: Fri, 19 Nov 1999 08:19:42 -0500  
From: "Edward A Kwik jr" <eakwikjr@hti.com>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [56320] Tuna Tin 2 First QSO  
Message-ID: <38354E6E.5DBA7AE2@hti.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I would like to thank the NJQRP Club and everyone involved with the Tuna Tin 2 kit. I got mine this week. Took three nights to put it together. It is in a real tuna can. I got on the air very late Wednesday night and after a dozen CQ's, I gave up. Last night after work I got back on and got KB9MKZ on my second CQ. Dave was a solid 579 from Wheatfield, IN. No miles/watt record but I got a 559 from Dave and he upped it to 579 at the end. Dave guessed right that I was using a Tuna Tin 2. We had a very nice QSO going but had to cut it short. My

nine year old cooked the dinner last night and it was a big deal. I had to QRT and do the oooh's and aaaah's while she was serving it up. I get 290 mw out using a 12 volt gel cell. Ant is a 105 ft dipole, center feed with 450 ohm window line to a ZM-2 tuner. Thanks again.

72's

Ed Kwik AB8DF Waterford, MI

-----  
Date: Fri, 19 Nov 1999 07:25:38 -0600  
From: "Chuck Carpenter" <w5usj@globeco.net>  
To: WB9MII@aol.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [56321] Re: Anyone ever use an "air core" balun ?  
Message-ID: <3.0.2.32.19991119072538.007c73e0@bosshog.globeco.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Greg et al,

The handbook calls it an RF choke or current balun. It's fully described in recent handbooks in the transmission lines section. For 20 meters, use a 10 ft length and wrap it into 4 turns. For 80 to 10 meters, use a 10 ft length and wrap it into 7 turns. It's a continuous section of the feed line and mounted close to the feed point.

Chuck Carpenter, EM22cv, Point, Rains County, Texas

-----  
Date: Fri, 19 Nov 1999 21:26:47 +0800  
From: "Sly (9M8SL)" <cqsly@tm.net.my>  
To: ianpurdie@integritynet.com.au  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [56322] Re: Elmer 100: Continuous Ham Radio Education (rather long)  
Message-ID: <19991119132647.SZRP514@User>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Ian and Gang,

Good on U mate !

Beer drinking is also my passion....No arguments this way, hee, hee  
Great !!!, the extra quotes would certainly get the idea across, all the more faster, to those able-Elmers.

Hi !!!

Vy 72 es Goodie Mate,

de Sly, 9M8SL  
>From 'The Hidden Paradise of Borneo'  
Sarawak, East Malaysia.

At 09:57 PM 11/19/99 +1100, you wrote:

>"Sly (9M8SL)" wrote:  
>  
>> As the Ancient Chinese Philosophers used to say:-  
>> 'Give a man a fish, s/he will be able to eat for a day.  
>> Teach him/her how to fish, s/he will be able to eat for the rest of his/her  
>> life.'  
>> (Not the exact quotes, but vy close)  
>  
>The precise quote is:  
>  
>Teach him how to fish and he will sit in boat all day drinking beer!  
>72/73's  
>  
>Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14':00" S 151o:34':00" E  
>VK2TIP "I'll give you the TIP mate" QRP-L member #1978.  
>URL - <http://www.integritynet.com.au/~purdic/> URL - <http://www.qsl.net/vk2tip/>  
>  
>  
>

-----  
Date: Fri, 19 Nov 1999 06:37:33 -0700  
From: Ray Colbert <af852@rgfn.epcc.edu>  
To: n0xes@juno.com  
Subject: [56323] Re: Free Net Access?  
Message-ID: <3835529D.3503BE0E@rgfn.epcc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I just got the cd installation disk for freei.net this week and  
it seems to work quite well. They can be contacted at:  
<http://www.freei.net>

It operates much like Juno and not all areas have local telephone  
access yet, but that will probably change as time goes on.  
I think it is worth a look.

Ray

--

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"

"Scotsman - Scotsman's Diary 12/97"

-----

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2  
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

-----

Date: Fri, 19 Nov 1999 08:40:55 EST

From: Macstein@aol.com

To: qrp-1@lehigh.edu

Subject: [56324] Re: Anyone ever use an "air core" balun ?

Message-ID: <0.223697ce.2566ad67@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

In a message dated 11/19/99 8:26:48 AM EST, w5usj@globeco.net writes:

> Hi Greg et al,

>

> The handbook calls it an RF choke or current balun. It's fully described  
> in recent handbooks in the transmission lines section. For 20 meters, use  
> a 10 ft length and wrap it into 4 turns. For 80 to 10 meters, use a 10 ft  
> length and wrap it into 7 turns. It's a continuous section of the feed  
> line and mounted close to the feed point.

>

Yes... the "Infamous Attic Dipole" uses this air core RF choke right out of the Handbook.

-MAC-

AF4PS

-----

Date: Fri, 19 Nov 1999 08:00:20 -0600

From: Karl Kanalz <KKanalz@excel.com>

To: WB9MII@aol.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [56325] RE: Anyone ever use an "air core" balun ?

Message-ID: <2D343922E283D211945C0008C7A41B2AFB6341@adntex01.excel.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Well, Greg, there are (sort of) two kinds of "air core" baluns. The easiest one to make, and especially since you plan to use RG8-X, is to coil up some of the RG8-X coax feedline RIGHT AT THE FEEDPOINT in a coil about the diameter of a coffee can (say, 5 to 6 inches), with about eight turns of the coax (taping or Ty-Wrapping it in place) . Just run the balance of the feedline back to your shack. Do NOT think you are "saving money" by leaving any excess coax piled up on the floor of your shack, Greg... cut it to length (leaving a "service loop" for future moving of the rig) and put a proper connector on it.

The SECOND "air core balun" that comes to mind is a balun that is described in almost any ARRL "Radio Amateur's Handbook" (you DO have a copy, don't you? No? Get one at a nearby swapmeet at your earliest opportunity, Greg!)... anyway, this is a balun consisting of parallel copper conductors, wound around a former of PVC pipe. A variant is the same thing, but using "zip cord" for the parallel conductors. Depending on connections, this balun, as described in the handbook is a 4:1 balun.

Karl K - W8TIF  
McKinney, Texas

-----Original Message-----

From: WB9MII@aol.com [SMTP:WB9MII@aol.com]  
Sent: Friday, November 19, 1999 1:06 AM  
To: Low Power Amateur Radio Discussion  
Subject: Anyone ever use an "air core" balun ?

Howdy folks....I always get answers from here so will try this one.

Recently

I ordered some good quality rg8x coax....Want to make a dipole using some decent stuff not R/S garbage. For years I've heard of a loop below the dipoles feedpoint being called an "air core balun". Has anyone ever tried this ? For 20Meters is there any specific diameter ? As usual, many thanks

72

Greg WB9MII  
QRP ARCI 9719

Amateur Radio Post 380 American Legion.

-----  
Date: Fri, 19 Nov 1999 08:54:58 -0500  
From: "George Heron N2APB" <n2apb@erols.com>  
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [56326] Re: Tuna Tin 2 First QSO  
Message-ID: <006101bf3295\$b4661c90\$6c98accf@gherons\_box.ire.com>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Really nice to see so many success reports coming in from those building the Tuna Tin 2 transmitter kits! This report from AD8DF, the real useful "chirp elimination + keyer modification" report from N4UY, and others. Suggestions for different enclosures (cat food, etc.) abound, and the neat collection of TT2 photos at <http://ElectronicsUSA.com/tunatin2.html> being done by WA6KY0.

Here's a minor little mod that has greatly eased my TT2 operating life ... instead of using the toggle switch on the "front panel" of my tuna tin enclosure, I mounted a spring-return SPDT pushbutton switch on top, drilled and mounted in the pcb. Makes it tons easier to switch between transmit and receive ... push down with the left hand whenever doing code with the right.

73, George N2APB  
n2apb@amsat.org in Baltimore, MD  
for the NJQRP Club at <http://www.njqrp.org>

>I would like to thank the NJQRP Club and everyone involved with the Tuna  
>Tin 2 kit. I got mine this week. Took three nights to put it  
>together. It is in a real tuna can. I got on the air very late  
>Wednesday night and after a dozen CQ's ... [snip]

-----  
Date: Fri, 19 Nov 1999 09:13:34 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: "INTERNET:cowchip@mediaone.net" <cowchip@mediaone.net>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group  
<QRP-L@Lehigh.edu>  
Subject: [56327] Re: FOX-N5TW-great job  
Message-ID: <199911190915\_MC2-8DCB-9872@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain;  
charset=us-ascii  
Content-Disposition: inline

Don:

Congrats on bagging the Wiley FOX. I never get tired of it, even after being lilicensed since 1960 :-). More fun than DXing, in my view.

Will send you the text version of the 1999-2000 hunt. There is only one change that I know about--Mary NA6E changed places with Ron KU7Y early in the season. So simply make that change on your copy and go for it.



72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 6028

Bismarck, ND 58506

K0EVZ@arrl.net

-----  
Date: Fri, 19 Nov 1999 09:13:30 -0500

From: "Wilford D. Lindsey" <70511.3041@compuserve.com>

To: Don Minkoff <cowchip@mediaone.net>

Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group  
<QRP-L@Lehigh.edu>

Subject: [56328] FOXHUNT!!! Text Schedule v 1.1

Message-ID: <199911190916\_MC2-8DCB-9870@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: 7bit

Content-Type: text/plain;

charset=us-ascii

Content-Disposition: inline

Don (and Gang): Here is the text version (QRP-L) version of this season's FOX hunt, as promised. Remember that Mary NA6E switched evenings with Ron KU7Y. Each FOX is supposed to post last minute reminders of their hunt, as well. --Doc/K0EVZ.

----- Forwarded Message -----

From: INTERNET:prvalko@oakland.edu, INTERNET:prvalko@oakland.edu

TO: "Low Power Amateur Radio Discussion", INTERNET:qrp-l@Lehigh.EDU

DATE: 10/08/1999 11:30 AM

RE: FOXHUNT!!! Text Schedule v 1.1

Sender: owner-qrp-l@Lehigh.EDU

Received: from astro.CC.Lehigh.EDU (astro.CC.Lehigh.EDU [128.180.39.2])  
by spamgaaa.compuserve.com (8.9.3/8.9.3/SUN-1.7) with ESMTP id MAA16439;  
Fri, 8 Oct 1999 12:31:16 -0400 (EDT)

Received: from localhost ([127.0.0.1]:50447 "HELO astro.CC.Lehigh.EDU") by  
astro.CC.Lehigh.EDU with SMTP id <76108-10615>; Fri, 8 Oct 1999 12:30:35 -0400

Received: from nss4.CC.Lehigh.EDU ([128.180.39.1]:51951 "EHLO nss4.cc.lehigh.edu")  
by astro.CC.Lehigh.EDU with ESMTP id <76108-10618>; Fri, 8 Oct 1999 12:30:20 -0400

Received: from saturn1.acs.oakland.edu (prvalko@saturn1.acs.oakland.edu  
[141.210.10.2])

by nss4.cc.lehigh.edu (8.9.3/8.9.3) with ESMTP id MAA55944  
for <qrp-l@lehigh.edu>; Fri, 8 Oct 1999 12:30:18 -0400

Received: from localhost (prvalko@localhost) by saturn1.acs.oakland.edu  
(8.8.4/8.6.6) with SMTP id MAA24532 for <qrp-l@lehigh.edu>; Fri, 8 Oct 1999  
12:30:17 -0400 (EDT)  
Message-Id: <Pine.OSF.3.95.991008122747.24390B-100000@saturn1.acs.oakland.edu>  
Date: Fri, 8 Oct 1999 12:30:16 -0400 (EDT)  
Reply-To: prvalko@oakland.edu  
Sender: owner-qrp-l@Lehigh.EDU  
Precedence: bulk  
From: "Paul R. Valko" <prvalko@oakland.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: FOXHUNT!!! Text Schedule v 1.1  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII  
X-To: QRP List <qrp-l@lehigh.edu>  
X-Authentication-Warning: saturn1.acs.oakland.edu: prvalko owned process doing -bs  
X-Sender: prvalko@saturn1.acs.oakland.edu  
X-Orcpt: rfc822;qrp-l@astro.CC.Lehigh.EDU  
X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN

Here's the TEXT version 1.1 of the 1999/2000 QRP-L Foxhunt.

Changes: 1.1 KU7Y is now RON

Kids, remember the DATE is in GMT, the REAL operating times are Mon and  
Wed nights in North America in 1999 - AND - Tues and Thurs evenings in  
2000.

| Date GMT | Time GMT | Fox   | Name   | QTH |
|----------|----------|-------|--------|-----|
| 10/26    | 0000     | K10J  | OJ     | TX  |
| 10/28    | 0200     | NA6E  | MARY   | CA  |
| 11/02    | 0100     | AB5UA | CLIFF  | OK  |
| 11/04    | 0200     | W0MC  | JERRY  | CO  |
| 11/09    | 0100     | K1JD  | JOHN   | RI  |
| 11/11    | 0100     | NF9K  | JOEL   | MN  |
| 11/16    | 0100     | W8RU  | RON    | MI  |
| 11/18    | 0200     | N5TW  | TOM    | TX  |
| 11/23    | 0200     | K5LN  | BILL   | TX  |
| 11/25    | 0200     | K0EVZ | DOC    | ND  |
| 11/30    | 0200     | N7RR  | BRUCE  | WA  |
| 12/02    | 0100     | K1MG  | MIKE   | CA  |
| 12/07    | 0100     | KV2X  | TOM    | NY  |
| 12/09    | 0100     | KF4AR | RICK   | NC  |
| 12/14    | 0100     | AB5WX | DAVE   | TX  |
| 12/16    | 0200     | N4DD  | DENNIS | TN  |
| 12/21    | 0200     | N0TU  | STEVE  | CO  |

Tip: Look for a blowout Y2K Fox Party announcement  
during the Holidaze

|       |      |       |        |    |
|-------|------|-------|--------|----|
| 01/05 | 0100 | K7GT  | ALLAN  | CA |
| 01/07 | 0100 | N0AR  | SCOTT  | MN |
| 01/12 | 0100 | WT9S  | JAY    | IL |
| 01/14 | 0200 | N7MFB | BILL   | WA |
| 01/19 | 0100 | AF5Z  | BOB    | TX |
| 01/21 | 0200 | K8CV  | WALT   | MI |
| 01/26 | 0100 | N7CQR | DAN    | OR |
| 01/28 | 0200 | KF2PH | NICK   | NY |
| 02/02 | 0100 | WV3J  | PAUL   | VA |
| 02/04 | 0100 | W8SFF | STEVE  | MI |
| 02/09 | 0200 | AE2T  | AL     | NY |
| 02/11 | 0200 | N1FN  | ET     | CO |
| 02/16 | 0100 | NW7DX | BEN    | WA |
| 02/18 | 0200 | N0IT  | DAVE   | MO |
| 02/23 | 0200 | W8RO  | FLOYD  | MI |
| 02/25 | 0200 | N1TP  | TOM    | FL |
| 03/01 | 0100 | NQ9RP | CHEESE | WI |
| 03/03 | 0000 | KQ5U  | TERRY  | TX |
| 03/08 | 0200 | N5IB  | JIM    | LA |
| 03/10 | 0000 | N0UR  | JIM    | MN |
| 03/15 | 0200 | WD4ET | JEFF   | FL |
| 03/17 | 0200 | KU7Y  | RON    | NV |
| 03/22 | 0200 | AB7CE | ROY    | MT |

cut it out and paste it to the fridge.

Foxhunt 2000 web site <http://www.acs.oakland.edu/~prvalko/foxhunt.htm>

73! =paul= W8KC

Collector of Ten\*Tecs and other fine plastics

<<http://www.acs.oakland.edu/~prvalko>>

-----  
Date: Fri, 19 Nov 1999 09:21:09 -0500  
From: "Charlie Fitts" <[cfitts@neca.com](mailto:cfitts@neca.com)>  
To: <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [56329] Re: HB - spectral purity measurements without SA - help??  
Message-ID: <199911191424.JAA05866@orion.neca.com>

MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Jim -

I was thinking similar thoughts a while back and thought that maybe my WM-1 wattmeter might tell me the answer. I posted the question to the QRP-L, and the consensus was that (a lot of ) reflected power from a resonant antenna would in fact probably be from harmonics present on the signal. The difference between 1W forward power and 1 mW reflected power represents 30 dB, and it's tough to match an antenna this close even in the absence of harmonics.

Anyway, even though it's not a very precise measurement, if you find you can't match your antenna to your rig, you should probably at least suspect the presence of harmonics. Other spurs and miscellaneous oscillations, if not an exact multiple of the original frequency, probably would not give you as high a reflected reading however and might escape detection by this method.

I'm not an engineer by any stretch of the imagination (mine or anyone else's) but maybe this idea to use a wattmeter will help you out.

72 -

Charlie Fitts, N1EI

-----  
Date: Fri, 19 Nov 1999 09:34:46 -0500  
From: "George Heron N2APB" <n2apb@erols.com>  
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [56330] HB: Sources for circuit board material?  
Message-ID: <009701bf329b\$40324820\$6c98accf@gherons\_box.ire.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Anyone have a good source for lots of (inexpensive) double sided copper clad circuit board material?

We have a couple of new projects on the books here at NJQRP headquarters and we're looking for a surplus house (or whatever) that has some copper clad boards in quantity ... anything from 4"x4" scraps and up.

Thanks!

73, George N2APB  
n2apb@amsat.org in Baltimore, MD

-----  
Date: Fri, 19 Nov 1999 09:46:06 -0800  
From: John Payne <paynej1@strato.net>  
To: qrp-l@lehigh.edu  
Subject: [56331] RE:HELP:toroids  
Message-ID: <SAK.1999.11.19.amdibote@computer>  
MIME-Version: 1.0  
Content-Type: Text/Plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 8Bit

Thanks to all for the info!

72/3 John N4FLJ

-----  
Date: Fri, 19 Nov 1999 07:52:13 -0700  
From: Bruce Kizerian <kizerian@ced.utah.edu>  
To: n2apb@erols.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [56332] Re: HB: Sources for circuit board material?  
Message-ID: <3835641C.284D909@ced.utah.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

George Heron N2APB wrote:

> Anyone have a good source for lots of (inexpensive) double sided copper clad  
> circuit board material?  
>

George

Electronic Goldmine at [www.goldmine-elec.com](http://www.goldmine-elec.com). By far, the best prices and selection of all surplus outlets I have found.

Bruce kk7zz

-----  
Date: Fri, 19 Nov 1999 06:53:54 -0800  
From: neil <neil@aade.com>  
To: n2apb@erols.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [56333] Re: HB: Sources for circuit board material?  
Message-ID: <38356482.2BD3DABF@aade.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Electronic Goldmine has a good supply at reasonable prices  
<http://www.goldmine-elec.com>

--  
Neil  
<http://www.aade.com>  
<mailto:neil@aade.com>  
Almost All Digital Electronics  
1412 Elm St. SE  
Auburn, WA 98092  
253-351-9316

-----  
Date: Fri, 19 Nov 1999 09:02:31 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>  
Subject: [56334] FOXHUNT:Team Scores  
Message-ID: <Pine.LNX.3.95.991119085332.10660A-1000000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

\*\*\*\*\*  
...DON'T FORGET FOXII, SEND YOUR "FINAL LOG" TO ME AS WELL  
AS TO PAUL...that will be a big help...thank you all....

\*\*\*\*\*

Fox Hunt #7 -W8RU -

\*\*\*\*\*

20th. MAINE BENGAL BEARS:Total=4

-----

Jim - N5IB  
Butch - N5SMQ  
Bill - NT1R <-  
Joel - KE1LA

BLUE J's:Total=3

-----

John - VE3JC  
Jim - VE6JWA  
Jeff - VA3JFF  
Jon - TF3JA

DURHAM MORSE MEN:Total=0

-----

Jim - VE3KQN  
Ken - VE3ELA  
John - VA3JE  
Garry - VE3REP

EMPIRE HOUNDS:Total=5

-----

Dick - K2REB <-  
Kevin - N2TO  
Mark - N2JTW <-  
Nick - KF2PH

HOUSTON HOUNDS:Total=22 "SWEEP!"

-----

Bill - K5ZTY <-  
Bill - W5SB <-  
Terry - KQ5U <-  
Dan - KK5LD <-

MANGY MUSHERS:Total=14

-----

Pete - NV4V  
Paul - VE7CQK  
Bruce - N7RR <-  
Ed - K1VP <-

NIGHT OWLS:Total=9

-----

Ed - WE6W <-  
Rich - N5JI  
Dan - N7CQR <-  
Ben - NW7DX

OKLAHOMA TORNADOS:Total=16

-----

Cliff - AB5UA <-  
Royce - KE5TC <-  
Don - K5AAR <-  
Gody - AC6U

RAIDERS OF THE LOST RF:Total=10

-----

Fred - VE3FAL  
Earl - VE6EWM <-  
Mary - NA6E  
Bruce - VE5RC <-

SCATTER SHOT GUNNERS:Total=15

-----

Mike - K1MG <-  
Jack - W5TFB <-  
Stan - N6XU  
Pat - K0PC

SFBA FOGHORNS:Total=5

-----

Bob - N6WG <-  
Conrad - NN6CW  
Andreas - N6NU  
Allan - K7GT

SWAMP RATS:Total=17

-----

Tom - N1TP <-  
Mac - AF4PS  
Fred - W2XN <-  
Paul - AJ4Y <-

SWORDS:Total=12

-----

TEAM CRAMP.COM:Total=14

-----

Rick - WB6JBM  
Andy - KC8KFI  
Doc - K0EVZ <-  
Dan - N8IE <-

TEAM ScQRPion:Total=17

-----

Floyd - NQ7X <-  
Gary - AB7MY  
Conard - WS4S <-  
Bob - KI7MN <-

TEXAS TARANTULAS:Total=20 "SWEEP!"

-----

Bill - K5LN <-  
Dave - N5IW <-  
Bob - AF5Z <-  
Tom - N5TW <-

WESTERN WRANGLERS:Total=8

-----

Randy - K7TQ  
Chuck - K7Q0  
Steve - WW7Y <-  
Ron - KU7Y <-

....72 - Bruce(VE5RC+VE5QRP)

OJ - K10J  
George - K5VUU <-  
Mike - K5NZ <-  
Eric - NM5M

TESLA'S TERRORS:Total=26 "SWEEP!"

-----

Wayne - N0EA <-  
Dan - N0DT <-  
Tim - N0EHW <-  
Joe - W0JOE <-

UNDERDOGS:Total=22 "SWEEP!"

-----

Roy - AB7CE <-  
Dan - N4ROA <-  
Brian - KB9BVN <-  
Ron - KI0II <-

NORTEX Irregulars:Total=2

-----

Doc - W5TB <-  
Joe - KK5NA  
Don - N5YAK  
Barb - KK5QA



-----  
Date: Fri, 19 Nov 1999 10:04:26 -0500  
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>  
To: NJ QRP Club <njqrp@njqrp.org>, "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [56335] Tuna Tin 2 -- really cooking now -- 4 states last night  
Message-ID: <383566FA.13145C72@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

My Tuna Tin 2 is really cooking -- worked MA, IL, OH and SC last night.  
Good solid QSOs with MA and IL. QRM overpowered my TT2 for a while  
(cut the OH and SC QSOs short), but, all things considered, it was a  
good night.

I'm usually on between 9:30 and 10:30 pm EST at 7.042 Mhz -- monitoring  
the freq while I work on my latest project -- the G3RJV "weekender"  
series of kits. If the frequency is clear I call CQ -- see you there.

72,

Jake -- N4UY  
Vienna, VA (Wash DC suburbs)

-----  
Date: Fri, 19 Nov 1999 10:24:49 -0500  
From: david fouchey <dafouchey@home.com>  
To: kl7h@arrl.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [56336] Re: RCVR: Glows in the Dark...  
Message-ID: <38356BC1.AC636CA7@home.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well since I still have my Hallicrafters SX-25 in service that's a moot point. Glad to see I wasn't the only one to use a 6DQ6 for one of their rigs. also had a rig using a 6C4 as a keyed Osc. a bit chirpy but a quick way to get a watt or two out.

Dave  
WA4EMR/8

Bruce Hopkins - KL7H wrote:

>  
> Hi Gang...  
>  
> Saw a post on another list I subscribe to about a company that is  
> making a 5 tube receiver kit... For those of us who enjoy glowbug QRP this  
> might be of interest... They show a prototype of their shortwave version  
> that is soon to be available... For those of us that are junque box  
> challenged, this might be an interesting way to roll our own glow in the  
> dark receiver... This might go real nice with my homebrew 6DQ6B  
> transmitter...  
>  
> If you would like to take a look, here is the URL:  
>  
> <http://hometown.aol.com/weathrship/myhomepage/business.html>  
>  
> Shortwave Prototype:  
>  
> <http://hometown.aol.com/kmpfpzrw/myhomepage/index.html>  
>  
> Take care and have fun...  
>  
> 73 - Bruce - KL7H  
> "Keep-em-Glowing"  
>  
> "Boatanchor Barn" WebCam  
> <http://home.gci.net/~bhopkins/kl7h>  
> "Alaska QRP Club - Web Site"  
> <http://home.gci.net/~bhopkins/akqrp>

-----  
Date: Fri, 19 Nov 1999 07:29:55 -0800 (PST)  
From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [56337] Re: Anyone ever use an "air core" balun ?  
Message-ID: <Pine.GS0.4.10.9911190716040.9239-100000@rotor.dri.edu>

MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I'd like to offer one word (one?) of caution when winding coax "baluns".

Find out what the bending radius is for the coax you are using and DO NOT make the turns any smaller.

What happens is that many of the better coax types have "soft" insulation around the center conductor.

If you make a bend, the center conductor will migrate through the insulation and in a worst case event, short to the outer shield. At best it will change the value of the coax.

Over the years I have tried several ideas. There are two things that seem to work fine:

- 1) Make the balun with RG58 coax...(NOT foam)....and yes Mother, I do make the connections with wire nuts! :-)
- 2) Forget all about using a balun on antennas like vee's and dipoles. :-) (Saves me some wire nuts!)

While I fully agree with the text books on the reason for the balun, I have NEVER been able to tell ANY difference in how the antenna worked, with or without one!

But a balun with a short in it WILL hurt preformance! :-)

#2 is much easier to do than #1.

Of course I've only been playing around with antennas since 1953 (Gad, almost 47 years now! And I'm only 38 years old!)

OK, back to my hole....

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....

-----

Date: Fri, 19 Nov 1999 09:51:42 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>  
Subject: [56338] FOXHUNT:Team Scores (fwd)  
Message-ID: <Pine.LNX.3.95.991119094948.13713D-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

....oooops goofed!....the Swamp Rats had a clean sweep....I missed AF4PS!

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,  
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"  
"I am da man wit "DAH" paddle!"

\*\*\*\*\*  
...DON'T FORGET FOXII, SEND YOUR "FINAL LOG" TO ME AS WELL  
AS TO PAUL...that will be a big help...thank you all....

\*\*\*\*\*

Fox Hunt #7 -W8RU -

\*\*\*\*\*

20th. MAINE BENGAL BEARS:Total=4      BLUE J's:Total=3

-----

Jim - N5IB  
Butch - N5SMQ  
Bill - NT1R <-  
Joel - KE1LA

John - VE3JC  
Jim - VE6JWA  
Jeff - VA3JFF  
Jon - TF3JA

DURHAM MORSE MEN:Total=0

-----

Jim - VE3KQN  
Ken - VE3ELA  
John - VA3JE  
Garry - VE3REP

EMPIRE HOUNDS:Total=5

-----

Dick - K2REB <-  
Kevin - N2TO  
Mark - N2JTW <-  
Nick - KF2PH

HOUSTON HOUNDS:Total=22 "SWEEP!"

-----

Bill - K5ZTY <-  
Bill - W5SB <-  
Terry - KQ5U <-  
Dan - KK5LD <-

MANGY MUSHERS:Total=14

-----

Pete - NV4V  
Paul - VE7CQK  
Bruce - N7RR <-  
Ed - K1VP <-

NIGHT OWLS:Total=9

-----

OKLAHOMA TORNADOS:Total=16

-----

Ed - WE6W <-  
Rich - N5JI  
Dan - N7CQR <-  
Ben - NW7DX

Cliff - AB5UA <-  
Royce - KE5TC <-  
Don - K5AAR <-  
Gody - AC6U

RAIDERS OF THE LOST RF:Total=10

-----  
Fred - VE3FAL  
Earl - VE6EWM <-  
Mary - NA6E  
Bruce - VE5RC <-

SCATTER SHOT GUNNERS:Total=15

-----  
Mike - K1MG <-  
Jack - W5TFB <-  
Stan - N6XU  
Pat - K0PC

SFBA FOGHORNS:Total=5

-----  
Bob - N6WG <-  
Conrad - NN6CW  
Andreas - N6NU  
Allan - K7GT

SWAMP RATS:Total=18 "SWEEP!"

-----  
Tom - N1TP <-  
Mac - AF4PS <-  
Fred - W2XN <-  
Paul - AJ4Y <-

SWORDS:Total=12

-----  
Rick - WB6JBM  
Andy - KC8KFI  
Doc - K0EVZ <-  
Dan - N8IE <-

TEAM CRAMP.COM:Total=14

-----  
OJ - K10J  
George - K5VUU <-  
Mike - K5NZ <-  
Eric - NM5M

TEAM ScQRPion:Total=17

-----  
Floyd - NQ7X <-  
Gary - AB7MY  
Conard - WS4S <-  
Bob - KI7MN <-

TESLA'S TERRORS:Total=26 "SWEEP!"

-----  
Wayne - N0EA <-  
Dan - N0DT <-  
Tim - N0EHW <-  
Joe - W0JOE <-

TEXAS TARANTULAS:Total=20 "SWEEP!"

-----  
Bill - K5LN <-  
Dave - N5IW <-  
Bob - AF5Z <-  
Tom - N5TW <-

UNDERDOGS:Total=22 "SWEEP!"

-----  
Roy - AB7CE <-  
Dan - N4ROA <-  
Brian - KB9BVN <-  
Ron - KI0II <-

WESTERN WRANGLERS:Total=8

-----  
Randy - K7TQ  
Chuck - K7Q0  
Steve - WW7Y <-  
Ron - KU7Y <-

NORTEX Irregulars:Total=2

-----  
Doc - W5TB <-  
Joe - KK5NA  
Don - N5YAK  
Barb - KK5QA

....72 - Bruce(VE5RC+VE5QRP)

-----  
Date: Fri, 19 Nov 1999 08:38:39 -0600  
From: "Cla KA0GKC" <ka0gkc@arrl.net>  
To: <WB9MII@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [56339] Re: Anyone ever use an "air core" balun ?  
Message-ID: <01f201bf32a7\$289a6ec0\$a10a5e2c@groucho>

Greg <WB9MII@aol.com> wrote:

"Recently I ordered some good quality rg8x coax....Want to make a dipole using some decent stuff not R/S garbage."

I wouldn't be afraid of Tandy (RS) coax, it's been very good for many years now. Years ago, like over ten, the RS cable had some problems. I think it was due to the demand the CB craze put on their supply.

Greg further wrote:

"For years I've heard of a loop below the dipoles feedpoint being called an "air core balun".

Actually it is called a coax balun, and is a type of choke balun. The shield becomes an inductor, i.e. a choke, and prevents unwanted shield radiation and RF on the outside of the cable. The center conductor does not become an inductor because it is shielded for the other turns in the coil.

Here's a few things to think about. Many Hams believe a balun is unnecessary. I do not, it is a tool to be used to solve a problem. I believe there are cases where a balun is undesirable. Feedline radiation can be useful. The problem is keeping the RF on the shield out of the shack. This is simply a matter of where you locate the balun. A dipole is a balanced antenna. What this means is the "hot" side and the "ground" side of the antenna have the same similar electrical characteristic and are in balance. This would not be true for a ground mounted vertical with buried radials. This is an unbalanced antenna and provides an RF ground to the antenna end of the shield, the dipole does not. Coax is an unbalanced line and when connected to the balanced dipole the shield can no longer remain at RF ground as there is no ground reference at the antenna connection. In the real world of backyard antennas and QRP power levels this is really not a big problem. I would try it without first as the coax choke balun adds extra length to your feedline and extra weight to support.

You didn't specify the band and whether the dipole was resonant or multiband. If you decide to try a coax balun here's how to do it. You coil the coax about 4" to 6" in diameter, if you are using foam dielectric coax, and I think RG-8X is, stick with 6" or larger. If you wind or make bends in the coax much smaller you risk the center conductor slowly moving to the shield and shorting the coax. The idea of the coax choke balun is to make a coil of cable which will show an inductive reactance 5 times the feedpoint impedance as a minimum. So if your dipole is a resonant one it would have about a 70 ohm impedance. Your coil needs about 350 ohms inductive reactance. So now all you need to figure out is how many 6" diameter close wound turns provides this reactance at the frequency the dipole is cut for. The ARRL Handbook has the inductive reactance formula which will give you the required uH, and from there the coil formula will tell you the required number of turns.

Or, just wind about 8 and you should be good for 80 meters on up. ;-)

Hope this helps,

----

73 de KA0GKC Claton Cadmus

ka0gkc@arrl.net

MNQRP #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

-----

Date: Fri, 19 Nov 1999 10:29:33 -0600

From: "Cla KA0GKC" <ka0gkc@arrl.net>

To: "QRP-1" <qrp-1@lehigh.edu>

Subject: [56340] ADMIN: Please update the list.

Message-ID: <027601bf32ab\$599078e0\$a10a5e2c@groucho>

I was wondering if there has been any progress with getting the QRP-L web pages back up? I know there was some discussion about this but last I heard inquiries were being made with Steve. Any results?

If we fail to get the original pages, I would be willing to help write new pages for QRP-L as well as work on a badly needed FAQ for this list. There are several places where we can get www space.

Private replies encouraged to lower the list bandwidth.

----

73 de KA0GKC Claton Cadmus

ka0gkc@arrl.net

MNQRP #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

-----

Date: Fri, 19 Nov 1999 11:30:03 -0500

From: "ai2q" <ai2q@ispchannel.com>

To: <wi8w@arrl.net>

Cc: "Low Power Amateur Radio Discussion (E-mail)" <qrp-1@Lehigh.EDU>

Subject: [56341] More Ten Tec 515 repair notes



Message-ID: <000101bf32ab\$557e4c00\$5c32a7d0@ai2q.ispchannel.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

It's nice to hear that you'll be repairing your 515 Thom. When I replaced the finals in the PA in mine, I did indeed also replace the driver, and--as it turned out--the predriver too. The predriver showed no signs of overheating the associated emitter resistor, but it had an open base-to-collector junction! The driver itself had a burned emitter resistor, and its junctions were shorted, not open.

As I recall, replacing the driver transistors was a tad more tedious than the easily replaced finals, but the job was not a major undertaking.

My records show ECG part numbers for these devices as: ECG311 and ECG473, and they were \$3.60 each. The PAs were NTE235 types, and they were priced at \$6.30 each. That was in 1991.

Have fun and enjoy the 515---one nice sounding rig on both SSB and CW.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Thom Durfee  
Sent: Thursday, November 18, 1999 9:54 PM  
To: Low Power Amateur Radio Discussion  
Subject: Low power Ten Tec 515

Well the verdict on my 515's low power output seems to be in.

Blown finals.

Checked the board when I got home from work tonight and both emitter resistors (2.2 ohm) have burn marks on them. Not real bad but enough to tell me that someone tuned up this little baby using air for a dummy load.

I'm pretty good with a soldering iron (I have built 2 K2's for other folks) so a new pair of transistors (matched of course) will be acquired and replaced as well as the emitter resistors. Think I will replace the driver also just to be on the safe side. Finally a complete alignment while I am at it.

Thanks to all who posted replies directly to me and to the list.

As for the Sweepstakes contest this weekend. I'll be out there running my Alinco DX70TH cranked down to 5 watts (The Ten-Tec will obviously be in the repair shop) so listen for a very weak signal coming from a highly restricted (antenna wise) apartment complex here in West Michigan. Hopefully there will be no honey-dew projects like the Sweeps CW weekend when I spent the entire weekend painting the apartment.

and 73 (I simply don't like 72  
it's the year I went into the military)

Thom WI8W

-----  
Date: Fri, 19 Nov 1999 10:47:27 -0600  
From: "Mark Hogan" <mhogan@email.msn.com>  
To: "QRP LIST" <qrp-l@Lehigh.EDU>  
Subject: [56342] Vibroplex: K8FF NorCA1 key  
Message-ID: <00a801bf32ad\$e26abc00\$6ae60181@mhoganws>

Has anyone received one of these keys.  
I ordered one, it came with no feet, and I can't get a reply from Vibroplex via voice mail or email.  
It had a cool little mouse pad though...

Mark Hogan  
N50BC

-----  
Date: Fri, 19 Nov 1999 09:24:31 -0700  
From: gsurrency@juno.com  
To: n2apb@erols.com  
Cc: qrp-l@Lehigh.EDU  
Subject: [56343] Re: HB: Sources for circuit board material?  
Message-ID: <19991119.101459.-314877.4.gsurrency@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

George,

You need to talk to Sergio. He's da man. ;-)

73,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

---

Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

---

Date: Fri, 19 Nov 1999 09:23:21 -0700  
From: gsurrency@juno.com  
To: cfitts@neca.com  
Cc: qrp-l@Lehigh.EDU  
Subject: [56344] Re: HB - spectral purity measurements without SA - help??  
Message-ID: <19991119.101459.-314877.3.gsurrency@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Charlie's idea is one of the ways I recommended setting the bandpass filter trimmer (TC2) up on the Noral 38 Special. With a known good resonant antenna, this is a very effective way of observing spurious energy. A poor man's spectrum analyzer, if you will.

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

---

Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

---

Date: Fri, 19 Nov 1999 11:45:48 -0600  
From: Michael Melland <badger@vbe.com>  
To: qrp-l@lehigh.edu  
Subject: [56345] PARTS: Bourns 3610S 10K,10T,Prec. Knobpot  
Message-ID: <38358CCC.37A46482@vbe.com>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

I just purchased one of these today from a source for \$15 shipped. I know that they have more and if anyone is interested I can check with them and see how many they have and possibly ramrod a purchase for you. I needed one for a specific purpose not related to qrp but these are pretty neat and I think others may be interested in them if they have a use.

BTW Newark lists them for \$72.50 each

Check the specs at:

<http://www.bourns.com/ModelSearch/frameset.asp?PARTNO=3610s&ThumbNails=TRUE>

and let me know what you think as far as qrp usefulness.

73 de Mike, W9WIS

-----  
Date: Fri, 19 Nov 99 12:43:42 -0400  
From: chuck.olson@sbaonline.gov  
To: qrp-l@lehigh.edu  
Subject: [56346] HB: SOURCES FOR CIRCUIT B  
Message-ID: <9911191243.A1917wk@sbaonline.gov>  
Content-Type: text

N2>Anyone have a good source for lots of (inexpensive) double sided copper clad  
N2>circuit board material?

George -

I would suggest contacting fellow QRP-L list member, Sergio, at  
SRUIZ@BRIGHT.NET

I've gotten 3 packs of PCB material from Sergio, thin, medium and thick! This is great stuff for making small cabinets or Manhattan style projects. While Sergio will provide a Priority envelope stuffed full of PCB material for postage, I usually include a few extra bucks for his trouble - I think that 6 dollars is a good deal for over 2 pounds of double sided PCB material.

This is a triple win situation, folks - Sergio's employer gets rid of scrap for free, Sergio gets a few dollars and you get primo double sided material for a low price delivered to your door.

Best Regards,

Chuck Olson, WB9KZY  
Jackson Harbor Press  
<http://jacksonharbor.home.att.net>

-----  
Date: Fri, 19 Nov 1999 09:55:54 -0800  
From: Ed Loranger <we6w@qsl.net>  
To: qrp-l@lehigh.edu  
Subject: [56347] Logarithms and QRP  
Message-ID: <38358F2A.2AEA@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Good Morning and Happy Friday to all our QRP family.

I've been forcing myself to solve mismatch error problems in my head lately. I have got it down pretty good except for the logarithms.

I know how to do square roots via pencil and paper using longhand, but I never learned any techniques for logarithms.

This is QRP as it is associated to measurements and associated mismatch errors.

Does anyone know of a NON-Computer/Calculator approach to solving LOGARITHMS?

Goal: pencil and paper solutions.

Thanks! 72/Ed we6w

--  
-72/Ed WE6W; AR Millennium Q's=> 2239/2000 A-1 OP  
<http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

-----  
Date: Fri, 19 Nov 1999 13:16:52 -0500 (EST)  
From: igeq100@iupui.edu

To: Ed Loranger <we6w@qsl.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [56348] Re: Logarithms and QRP  
Message-ID: <Pine.HPP.3.96.991119130941.14912E-100000@ruby.iupui.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Ed -

To the best of my knowledge, there is no simple paper-and-pencil way to evaluate logarithms (except for the special cases like  $\log 100 = 2$ ). The standard non-calculator way is to use log tables (found in the Handbook of Chemistry and Physics or other sources). While this is a bit cumbersome and involves a lot of looking up and maybe interpolation, it is purely paper and pencil. There is also the good old slide rule (I have dated myself!)

I am reminded of the old shaggy-dog story (you fill in the scenario) whose punchline was "with log tables even adders can multiply".

73,

Richard Meiss, WB9LPU  
Speedway, IN

On Fri, 19 Nov 1999, Ed Loranger wrote:

> Good Morning and Happy Friday to all our QRP family.  
>  
> I've been forcing myself to solve mismatch error problems  
> in my head lately. I have got it down pretty good except  
> for the logarithms.  
>  
> I know how to do square roots via pencil and paper using  
> longhand, but I never learned any techniques for  
> logarithms.  
>  
> This is QRP as it is associated to measurements and  
> associated mismatch errors.  
>  
> Does anyone know of a NON-Computer/Calculator approach  
> to solving LOGARITHMS?  
>  
> Goal: pencil and paper solutions.  
>  
> Thanks! 72/Ed we6w  
>  
> --  
> -72/Ed WE6W; AR Millennium Q's=> 2239/2000 A-1 OP

> <http://www.qsl.net/we6w> Santa Rosa, CA  
> QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227  
>

-----  
Date: Fri, 19 Nov 1999 11:16:45 -0700  
From: "Ron Smith" <resmith666@uswest.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [56349] Re: Vibroplex: K8FF NorCAL key  
Message-ID: <01cb01bf32ba\$5630ae40\$0200000a@NET.uswest.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Mark,

> Has anyone received one of these keys.  
> I ordered one, it came with no feet, and I can't get a reply from  
Vibroplex  
> via voice mail or email.  
> It had a cool little mouse pad though...

I am curious -- where did you get the information that allowed you to even order one? I have been checking the Vibroplex web page for some time and the only mention of the K8FF is at the bottom where they tell you to keep watching for the new K8FF NorCAL Key "coming soon" and a reference to Dayton 98. Heck, even their price list is dated 1997!

Thanks for any info Mark.

Ron Smith - KD7VD - Boise, Idaho

-----  
Date: Fri, 19 Nov 1999 12:35:21 -0600  
From: Michael Melland <badger@vbe.com>  
To: resmith666@uswest.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [56350] Re: Vibroplex: K8FF NorCAL key  
Message-ID: <38359869.A1F6A61F@vbe.com>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Ron Smith wrote:

> I am curious -- where did you get the information that allowed you to even  
> order one? I have been checking the Vibroplex web page for some time....

Ron,

Check this dealer's page. I bought my Blue Racer from him last week and I see he added the K8FF as the featured Vibroplex key on his site Wednesday. States they are in stock at \$99.

<http://visradio.com/cata/vib.htm>

73 de Mike, W9WIS

-----  
Date: Fri, 19 Nov 1999 13:41:58 -0500  
From: "John J. McDonough" <jjmcd@tm.net>  
To: <badger@vbe.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [56351] Re: PARTS: Bourns 3610S 10K,10T,Prec. Knobpot  
Message-ID: <036a01bf32bd\$c38d7a60\$010044c0@conor-mac-nessa>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I used a 3600S for my 2N2/40 - same idea only clockface dial. In my mind, a big win over the separate counter dial which costs as much as the pot! I think I paid 15 for the 3600 as well.

This is the perfect thing for tuning a varactor rig.

-----Original Message-----  
From: Michael Melland <badger@vbe.com>

>BTW Newark lists them for \$72.50 each

Yikes!

72/73 de WB8RCR      <http://www.qsl.net/wb8rcr/>  
didileydadidah      QRP-L #1446 Code Warriors #35



-----  
Date: Fri, 19 Nov 1999 11:02:05 -0800  
From: Ed Loranger <we6w@qsl.net>  
To: qrp-1@lehigh.edu  
Subject: [56352] Re:Logarithms and QRP  
Message-ID: <38359EAD.6ECA@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Gang. Thanks for all the great replies.

I do have at least 3 very good slide rules and perhaps this is my excuse to break them out. I recall buying my first slide rule while in 7th grade and learning how to use it from the little paper included.

I collected a few nice ones from the emptied and trashed desks of engineers who were given nice HP calculators as condition of employment.

I do have a book with very complete log tables.

I read math books for fun. Not the typical math books, but books like "The Fermi Theroem" and "Mathemagics" and "The history of Mathematics". Great stuff I tell ya.

But aside from being able to toss shredded paper and predict the explosive force of the atomic bomb, I was hoping to utilize a mental trick or two and solve some of these Decibel problems we encounter in our measurements.

I remember once that if you commit to memory, a couple of square roots like the SQRT(1), 2, 3, and 5, you can find the square root of just about any number by factoring. The SQRT of (15) equals the SQRT(3)\*SQRT(5) for example. The SQRT of 75=SQRT(3) \* SQRT(25)= 5\*SQRT(3). Easy stuff! Besides, I know how to do sqrt's in longhand anyway. They only showed us once, but I took notes and practiced. It was probably the only math my Father in law knew! He whiped out the paper one day and said: "Find the square root of ??". I did it. Knocked him off the chair, it did! Today is 20 years married to his daughter. As Ian mentioned, the last ODD day until 1-1-3111!

But the logs are mysterious...

Thanks to all for your inputs.

All my best wishes to everyone. 72/Ed we6w

--

-72/Ed WE6W; AR Millennium Q's=> 2241/2000 A-1 OP

<http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

-----

Date: Fri, 19 Nov 1999 14:25:29 -0500

From: sergio <sruiz@bright.net>

To: unlisted-recipients;; (no To-header on input)

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [56353] Re: HB: SOURCES FOR CIRCUIT B

Message-ID: <3835A429.6223AAA3@bright.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

> projects. While Sergio will provide a Priority envelope stuffed full of  
> PCB material for postage, I usually include a few extra bucks for his  
> trouble - I think that 6 dollars is a good deal for over 2 pounds of  
> double sided PCB material.

i might add that any money i come out ahead with goes into my radio  
fund..

--

--

peace,

sergio

<http://www.bright.net/~sruiz> <-- The Village Buzz

"quoting other people is really lame and unoriginal" ...sergio

-----

Date: Fri, 19 Nov 1999 11:22:45 -0800 (PST)

From: Paul Erickson <paule@sfu.ca>

To: badger@vbe.com

Cc: qrp-l@lehigh.edu (qrp)

Subject: [56354] Re: Vibroplex: K8FF NorCAL key

Message-ID: <199911191922.LAA23204@fraser.sfu.ca>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anyone know a source for knurled nuts and screws like those  
used in the Vibroplex version?

cheers, Paul - VE7CQK - email: paule@sfu.ca

>  
> Ron Smith wrote:  
>  
> > I am curious -- where did you get the information that allowed you to even  
> > order one? I have been checking the Vibroplex web page for some time....  
>  
> Ron,  
>  
> Check this dealer's page. I bought my Blue Racer from him last week and I see  
> he added the K8FF as the featured Vibroplex key on his site Wednesday. States  
> they are in stock at \$99.  
>  
> <http://visradio.com/cata/vib.htm>  
>  
> 73 de Mike, W9WIS  
>  
>

-----  
Date: Fri, 19 Nov 1999 11:33:23 PST  
From: "Jesse Hires" <jhires@hotmail.com>  
To: we6w@qsl.net, qrp-1@Lehigh.EDU  
Subject: [56355] Re:Logarithms and QRP  
Message-ID: <19991119193323.17714.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

At my last place of employment, in the server room, there was a slide rule  
inside a bright red frame with glass cover. Hanging next to it was a small  
hammer. On the glass there was a label that read:  
"Break Glass In Case of Power Failure"

>From: Ed Loranger <we6w@qsl.net>  
>Reply-To: we6w@qsl.net  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: Re:Logarithms and QRP  
>Date: Fri, 19 Nov 1999 11:02:05 -0800

>  
>Hi Gang. Thanks for all the great replies.  
>  
>I do have at least 3 very good slide rules and perhaps  
>this is my excuse to break them out. I recall buying  
>my first slide rule while in 7th grade and learning how  
>to use it from the little paper included.  
>  
>I collected a few nice ones from the emptied and trashed  
>desks of engineers who were given nice HP calculators as  
>condition of employment.  
>  
>I do have a book with very complete log tables.  
>  
>I read math books for fun. Not the typical math books, but  
>books like "The Fermi Theroem" and "Mathemagics" and "The  
>history of Mathematics". Great stuff I tell ya.  
>  
>But aside from being able to toss shredded paper and predict  
>the explosive force of the atomic bomb, I was hoping to  
>utilize a mental trick or two and solve some of these  
>Decibel problems we encounter in our measurements.  
>  
>I remember once that if you commit to memory, a couple of  
>square roots like the SQRT(1), 2, 3, and 5, you can find the  
>square root of just about any number by factoring.  
>The SQRT of (15) equals the SQRT(3)\*SQRT(5) for example.  
>The SQRT of 75=SQRT(3) \* SQRT(25)= 5\*SQRT(3). Easy stuff!  
>Besides, I know how to do sqrt's in longhand anyway. They only  
>showed us once, but I took notes and practiced. It was probably  
>the only math my Father in law knew! He whiped out the paper one  
>day and said: "Find the square root of ??". I did it. Knocked  
>him off the chair, it did! Today is 20 years married to his  
>daughter. As Ian mentioned, the last ODD day until 1-1-3111!  
>  
>  
>But the logs are mysterious...  
>  
>Thanks to all for your inputs.  
>  
>All my best wishes to everyone. 72/Ed we6w  
>--  
>-72/Ed WE6W; AR Millennium Q's=> 2241/2000 A-1 OP  
> <http://www.qsl.net/we6w> Santa Rosa, CA  
>QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Fri, 19 Nov 1999 12:39:14 -0700 (MST)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: qrp-1@lehigh.edu  
Subject: [56356] Leonids in NM  
Message-ID: <Pine.SUN.4.10.9911191234340.8736-1000000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sorry I didn't post this sooner, but yesterday was one of those days :-(

No Leonid activity noted here in NM. Unfortunately, a cloud bank moved in around midnight, which pretty much obscured any worthwhile watching. While many stars could be seen through the thin clouds, the moon light illuminated them to a point of being ridiculous. I gave up about 1am. Besides, that mother ship zipping in and out of the NM skies got very distracting after awhile. But awaking to a smoldering meteor chunk in my front yard at the end of a 400 yard gouge was kind neat :-)

Congratulations to those who had the endurance to catch the period of activity around 4am, or who saw some neat aurora. You made the rest of us a bit envious.

72, Paul NA5N

-----  
Date: Fri, 19 Nov 1999 11:37:40 -0800  
From: Ed Loranger <we6w@qsl.net>  
To: Jesse Hires <jhires@hotmail.com>  
Cc: qrp-1@lehigh.edu  
Subject: [56357] Re: Logarithms and QRP  
Message-ID: <3835A704.10AF@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

GREAT! And no problem with "Batteries Not Included"

Truly QRP!  
72/Ed we6w

--

-72/Ed WE6W; AR Millennium Q's=> 2241/2000 A-1 OP  
http://www.qsl.net/we6w Santa Rosa, CA  
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

-----  
Date: Fri, 19 Nov 1999 12:44:14 -0700 (MST)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: qrp-l@lehigh.edu  
Subject: [56358] Update on Doug KI6DS  
Message-ID: <Pine.SUN.4.10.9911191239220.8736-100000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Joanne called last night and said Doug was making excellent progress wednesday and thursday. As a result, he was moved out of ICU and into a regular floor room thursday, and expected to be discharged and returned home monday. Joanne also said a half-dozen cards and QSL cards arrived yesterday, which she took to the hospital, and Doug really enjoyed receiving them.

Doug wants me to call him this evening at the hospital, so I will pass on all the good wishes for him emailed to me, and of course find out for myself how he is doing. But it does appear he is recovering as expected following his heart surgery.

72, Paul NA5N

-----  
Date: Fri, 19 Nov 1999 15:23:37 -0500  
From: Joseph Trombino Jr <joebarb@wilmington.net>  
To: QRP-L@LEHIGH.EDU  
Subject: [56359] New QRP Item(s)  
Message-ID: <3.0.6.32.19991119152337.007c7a60@wilmington.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello Fello QRP'ers:

I noticed a new 9 band QRP transceiver kit advertised in November's issue of Nuts and Volts magazine. SSB and CW rig, yada, yada, yada, from a company called "Sierra Radio Enterprises" and available thru HSC Electronic Supply (a Nuts and Volts advertiser..page 3 Nov)...store has 3 locations in

California. The kit lists for \$469.00. Has anyone seen this QRP rig yet??

Also wonder if anyone has purchased the new "Atomic Clock" (WWV controlled LCD readout clock) from MFJ for \$69.00?? Any feedback on this item yet??

Regards, Joe W2KJ (North Carolina)

-----  
Date: Fri, 19 Nov 1999 12:40:37 -0800  
From: Ed Loranger <we6w@qsl.net>  
To: "Samuel A. Falvo II" <kc5tja@armored.net>  
Cc: qrp-1@lehigh.edu  
Subject: [56360] Re: Logarithms and QRP  
Message-ID: <3835B5C5.5D000@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I got enough requests for the Square Root formula (Long-hand)

Sure. Here's the square root algorithm as I remember it.

Let's do the  $\text{Sqrt}(15)$ . First guess is it is  $>3$  and less than 4. Enter 3 in two places. Underline every pair of digits to the right and left of the decimal. These are used together. Multiply  $3 \times 3 = 9$ . Subtract the 9 from 15 and get 6. Carry down the next 2 digits.

```

-----
__ (15).00,00,00

    3.
-----
3_|(15).00,00,00
  9
  ---
  | 600
```

PHASE 2) Double the top 3 and add placeholder to the right of this number. (next to the 600 on the last line.) This number will be 60, 61, 62... 69 etc. whatever digit goes next to the "3.?" at the top will be carried to the right of the "6\_". So if your guess is a 4, then you will have 64 to the

left of the 600. Use the 4 to multiply by 64 and see if it is the greatest number not over 600? Nope. it is 256. try again. How about a 9? NOPE  $9 \times 69 = 621$ . How about an 8?  $8 \times 68 = 544$ . OK! Log it in the math below:

```

      3._
      -----
3_| (15).00,00,00
   9
   ----
6_| 600

```

```

      3.8
      -----
3_| (15).00,00,00
   9
   ----
68 | 600
   -544
   ----

```

76\_| 5600      <Double the 3.8 and carry down the next 2 digits.

Find that  $7 \times 767$  is the greatest to fit 5600 without going over. Scribe the 7 after 3.8 thereby giving 3.87 and scribe the 7 after the 76 to equal 767.  $7 \times 767 = 5369$

CONTINUED:

```

      3.87
      -----
3_| (15).00,00,00
   9
   ----
68 | 600
   -544
   ----
767| 5600
   -5369
   -----

```

774\_| 231,00      <=== Carry down next 2 digits from top.

Double 387 above, and place it to left of 23100 and add placeholder digit.

Continue to as many places as needed.



So far, the SQRT(15) is 3.87

OK!

Hope y'all enjoyed that one.

72/Ed we6w

--

-72/Ed WE6W; AR Millennium Q's=> 2241/2000 A-1 OP  
<http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

-----  
Date: Fri, 19 Nov 1999 13:41:39 -0700  
From: Niel Skousen <skousen@srv.net>  
To: qrp-l@lehigh.edu  
Cc: na5n@rt66.com  
Subject: [56361] Re: Update on Doug KI6DS  
Message-ID: <4.2.0.58.19991119133915.00b9e580@if.sciencetech.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Well, the real measure of his stay will be how many QRPP articles he solicits from the ICU staff, and how many have learned CW while exposed...

(OBTW do they know he's intrinsically contagious ??? =8-)

Best wishes for a speedy recover Doug !!

Niel

-----  
Date: Fri, 19 Nov 1999 15:45:53 EST  
From: GElam30092@aol.com  
To: qrp-l@lehigh.edu, elecrafft@qth.net  
Subject: [56362] [Admin] Leaving town.....  
Message-ID: <0.1ffaeb15.25671101@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Sorry for the crosspost. I've been at work late for the last few nights and

haven't had time to be da fox. On top of that, I'll be in Brazil for the next 10 days and will drop off the list until I return.

I am planning to take the K2 with me assuming I can get it all together in time. I'll try to operate next weekend (Nov. 27/28) and possibly the following Monday too.

(Novice question: does anyone know the bands I'll allowed to operate there? How do I identify myself? I'll be in the state of Sao Paulo and the city too. :-)) Direct replies are appreciated since I'll unsubscribe in a few minutes.)

Happy Thanksgiving to all. Of all the things I have to be thankful for, the QRP'ers are near the top of the list!

Gerry Elam, K1LR0/7  
PHX AZ

-----  
Date: Fri, 19 Nov 1999 13:57:27 -0700  
From: Bruce Grubbs N7CEE <n7cee@arrl.net>  
To: na5n@rt66.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [56363] Re: Leonids in NM  
Message-ID: <3.0.5.32.19991119135727.009d6b40@earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I had to get up at 0530 anyway, so I set the alarm for 0500 and watch the sky for about 10 minutes (my neighborhood has a fairly dark sky). I did see 4 good Leonid meteors, so I'm glad I got up.

73

Bruce, N7CEE  
DM45ee  
Flagstaff, Arizona USA  
n7cee@arrl.net

-----  
Date: Fri, 19 Nov 1999 15:06:18 -0600  
From: "Jerry Bartachek" <jbartac@max.state.ia.us>  
To: QRP List Internet QRP Club <qrp-l@Lehigh.EDU>  
Subject: [56364] RE: Logarithms and QRP  
Message-ID: <3835BBBCA.708492C3@max.state.ia.us>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Please note that on page 70 of the November 1996 QST Magazine, there is a "Hints and Kinks" article I wrote called "Understanding Decibels (dB) Without a Calculator". This may help you do fast approximate manipulations of logarithms as they apply to decibels.

I have privately e-mailed Ed a copy of the article. I think anyone on this list can also obtain a copy by looking on the ARRL web page. If you can't get one there, let me know via e-mail, and I'll send you one in Word 97 format.

72,

Jerry L. Bartachek KD0CA <><  
Washington, IA

-----  
Date: Fri, 19 Nov 1999 14:29:47 -0700  
From: Ray Colbert <af852@rgfn.epcc.edu>  
To: na5n@rt66.com  
Subject: [56365] Re: Leonids in NM  
Message-ID: <3835C14B.D000CF9A@rgfn.epcc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Those clouds you think you saw was just the brown ozone NAFTA stuff that passed over us from the south, and blown into NM - we had no visible showers here either - of course the light polution in this part of the city did not help. Oh for small town observations again.

Ray  
--

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"  
"Scotsman - Scotsman's Diary 12/97"

-----  
Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2  
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

-----  
Date: Fri, 19 Nov 1999 15:29:24 -0600  
From: Tim Ahrens <tahrens@hilconet.com>  
To: we6w@qsl.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [56366] Re: Logarithms and QRP  
Message-ID: <3835C134.20EAFFFD@hilconet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ed - you are gonna hurt your brain if you keep this up....

At least get an old CRC book or slide rule! ;-)

Tim W5FN

Ed Loranger wrote:

<snip>

> Does anyone know of a NON-Computer/Calculator approach  
> to solving LOGARITHMS?  
>  
> Goal: pencil and paper solutions.

-----  
Date: Fri, 19 Nov 1999 16:33:22 -0500  
From: Brian Murrey <brian@iquest.net>  
To: badger@vbe.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [56367] Re: Vibroplex: K8FF NorCAL key  
Message-ID: <3835C222.BD4D9E0A@iquest.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I visited the website and requested a catalog last week. Got the catalog today and it's in there.

\$99.00

Michael Melland wrote:

>

> Ron Smith wrote:

>

> > I am curious -- where did you get the information that allowed you to even  
> > order one? I have been checking the Vibroplex web page for some time....

>

> Ron,

>

> Check this dealer's page. I bought my Blue Racer from him last week and I see  
> he added the K8FF as the featured Vibroplex key on his site Wednesday. States  
> they are in stock at \$99.

>

> <http://visradio.com/cata/vib.htm>

>

> 73 de Mike, W9WIS

--

=====  
KB9BVN -NORCAL #2792 FISTS #5695 QRP-L #1540  
39.558 N 86.095 W Johnson Co., Indiana  
GRID: EM69WN - NORCAL 40A - Attic Dipole - 1.5w  
Proud to be a member of the American Radio Relay League  
Foxhunting Team UNDERDOG - Underdog #4  
FISTS Century Club #764 - FISTS QRP Century Club #24  
=====

-----

Date: Fri, 19 Nov 1999 13:43:13 -0800

From: Mike Gipe <[mgipe@reliablemeters.com](mailto:mgipe@reliablemeters.com)>

To: [joebarb@wilmington.net](mailto:joebarb@wilmington.net), Low Power Amateur Radio Discussion <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>

Subject: [56368] RE: New QRP Item(s)

Message-ID: <F988E2FF74F4D111A61F00A0C949D7A928E562@mission>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="windows-1252"

Answers to both your questions, Joe:

The Sierra Radio was shown at Pacificon, both at the QRP gatherings and in a booth at the exhibit hall. The designer is finishing up the last details as we speak. He also wrote two articles in QQ earlier this year about the design effort.

I purchased one of MFJ's WWVB clocks at Pacificon (show discount from HRO).

I now have a K1MG DCC, a Radio Shack atomic clock, one of the Arcron WWVB travel clocks from the recent QRP-L group buy, and the big MFJ WWVB clock in my shack. (Is this man obsessed about accurate time?) The DCC and the big MFJ have excellent displays, easily readable across the room at almost any angle. The Radio Shack and Arcron displays are hard to read in dim light. The Radio Shack will not show UTC, but the others do. One drawback of the MFJ is what it displays: UTC to the minute, temperature, and humidity. I wish it would show UTC date like the Arcron instead of the interior weather which I can feel for myself. All three WWVB clocks seem to have about the same sensitivity receiver, and usually sync up regularly when left undisturbed in a favorable location. My QTH is marginal for WWVB reception. The MFJ clock seems to be fundamentally less accurate when not synchronized to WWVB. If it misses WWVB for a day, it loses a significant fraction of a minute compared to the other clocks which seem to stay within a fraction of a second of WWV for days even when not synced (sync?) to WWVB.

Now if only I could get a clock with the MFJ display, the Arcron accuracy and date, and the Radio Shack remote antenna, I would be happy.

Mike K1MG  
Saratoga, CA

> -----Original Message-----  
> From: Joseph Trombino Jr [mailto:joebarb@wilmington.net]  
> ... California. The kit lists for \$469.00. Has anyone seen this  
> QRP rig yet??  
>  
> Also wonder if anyone has purchased the new "Atomic  
> Clock" (WWV controlled  
> LCD readout clock) from MFJ for \$69.00?? Any feedback on  
> this item yet??  
>  
>                                   Regards, Joe W2KJ

-----  
Date: Fri, 19 Nov 1999 13:47:54 -0800  
From: "Tom Scott" <tscott@eni.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [56369] Selecting a QRP rig.  
Message-ID: <000301bf32d7\$bd309b60\$68100f0a@wyle.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello all,

New to the list. I'm sure this is the list's most common and over-asked question, please forgive me for repeating it yet again.

Just finished reading Richard Arland's "Low Power Communication - The Art and Science of QRP". Found it very interesting.

I would like to get some kind of compact portable HF rig to take on business and camping trips but having a very difficult time narrowing down the field. There seem to be many good choices.

I would like to have several bands, but that's not absolutely critical. CW is a must, SSB would be nice. Would like to be able to run from battery and/or solar. Something like a tick keyer or room to add one would be nice. I haven't really decided how much budget to allow myself but my wife would be pleased by something inexpensive. It needs to be small enough to take in a small carry-on suitcase or briefcase.

I am very fond of my Ten-Tec Omni V and I'm sure I would enjoy an Argosy 525D but I guess it's a lot of radio for QRP and it's a bit large. On the other hand, the Sierra with the digital display looks very interesting also.

What is required to change band modules in the Sierra? In other words does it plug in from the back, or do you open the case, and how big are the modules?

I would welcome any suggestions or advice.

Also, has anyone ever looked at building a QRP-scaled "truly" balanced line antenna tuner (balun on the input to the tuner, ala Johnson Matchbox)? I was thinking that you might do something very nice with 300 ohm twin lead for a very compact package.

-Tom

\_\_\_\_\_  
Tom Scott            --            KD7DMH  
                         27005 SW Neill Rd, Oregon 97132  
                         503-603-1931 - Day 503-638-5839 - Eve  
                                         503-703-2032 Cell  
\_\_\_\_\_

-----  
Date: 19 Nov 1999 16:59:17 LOC  
From: <SFIKE@twa.com>  
To: <qrp-1@lehigh.edu>

Subject: [56370] of coax and tuners  
Message-ID: <19991119.165917.SFIKE@twa.com>

I have often read that it is wise to replace coax every few years "just to be safe".

I don't understand this philosophy; why replace the coax at all? If the coax is left alone and keeps providing good performance year in and year out, then why replace it? So as long as I don't run over it with the lawnmower, or it doesn't get hit by lightning, who cares? There's no moving parts inside coax, so its failure rate, in theory, should be zero, right?

Secondly; since the Johnson Matchbox tuners and Harvey Wells tuners are so wildly popular these days, especially when compared to other offerings from other companies like MFJ, then why doesn't some company or enterprising ham try to duplicate or reproduce them? I mean, after all, we're talking about 1950's era designs here. It should be relatively easy to duplicate now days! Or would that be some kind of copyright or patent infringement to these designs? If the performance of these tuners are really that good, then I would think somebody stands to make a handy profit from replicating them!

Just a few issues that I thought I would share with the group that have been eating at me lately.

All comments welcome.

72  
Scott, KCOBUS

-----  
Date: Fri, 19 Nov 1999 18:17:38 EST  
From: K5ln@aol.com  
To: qrp-l@lehigh.edu  
Cc: K5ln@aol.com  
Subject: [56371] FOX: Early Warning for K5LN  
Message-ID: <0.7ae91ec2.25673492@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Okay folks, this is an early warning that I will be loose and crazy trying to keep away from all these great Hounds. I will be on the usual place, you know around 7142 +/- one or two, from 0200 to 0400 GMT on 23 Nov 99. I will send out another message some time Sunday with more details.

>From the sounds from the other Foxii it sounds like we have a lot of



excitement to look forward to.

See you soon,  
Bill, K5LN

-----  
Date: Fri, 19 Nov 1999 17:23:29 -0600  
From: "Tom Whiteside" <n5tw@igg-tx.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [56372] FOX: Final Log  
Message-ID: <001901bf32e5\$17967860\$9121f0cd@g517v>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks again for the great ride! E-ticket for sure... Here is the final  
log with all corrections (I hope) in....

| Time | GMT    | Call | RX | RST    | State | Name | Number |
|------|--------|------|----|--------|-------|------|--------|
| 2:01 | W0CH   | 599  | MO | DAVE   | 618   |      |        |
| 2:03 | W0RW   | 599  | CO | PAUL   | 1284  |      |        |
| 2:04 | K0EVZ  | 579  | ND | DOC    | 861   |      |        |
| 2:07 | KQ5U   | 559  | TX | TERRY  | 1603  |      |        |
| 2:08 | KI0G   | 579  | CO | BOB    | 239   |      |        |
| 2:09 | AB7CE  | 559  | MT | ROY    | 1494  |      |        |
| 2:10 | N0EA   | 559  | MO | WAYNE  | 1058  |      |        |
| 2:11 | K5AAR  | 559  | OK | DON    | 1512  |      |        |
| 2:12 | N0DT   | 559  | MO | DAN    | 1004  |      |        |
| 2:14 | N0EHW  | 599  | MO | TIM    | 2047  |      |        |
| 2:16 | AA5TA  | 559  | TX | LARRY  | 1245  |      |        |
| 2:17 | N5LU   | 579  | OK | BILL   | 2008  |      |        |
| 2:18 | K7RE   | 559  | AZ | BRIAN  | 404   |      |        |
| 2:19 | N4ROA  | 559  | VA | DAN    | 970   |      |        |
| 2:21 | NQ7X   | 559  | AZ | FLOYD  | 343   |      |        |
| 2:22 | N0RN   | 559  | CO | BOB    | 1789  |      |        |
| 2:25 | AB7MY  | 559  | AZ | GARY   | 571   |      |        |
| 2:26 | KU7Y   | 559  | NV | RON    | 17    |      |        |
| 2:28 | WS4S   | 569  | TN | CONARD | 993   |      |        |
| 2:29 | N9AW   | 579  | WI | JERRY  | 1271  |      |        |
| 2:31 | AI4CW  | 559  | AL | DON    | 1670  |      |        |
| 2:32 | WD4MSM | 559  | IN | BARRY  | 542   |      |        |
| 2:34 | K0PC   | 559  | MN | PAT    | 1964  |      |        |
| 2:36 | N8IE   | 559  | OH | DAN    | 1404  |      |        |
| 2:38 | AE4Y   | 559  | GA | KENT   | 1844  |      |        |
| 2:39 | W0RSP  | 559  | ID | ABE    | 3100  |      |        |

2:41 VE5RC 339 SK BRUCE 886  
2:43 KA5T 559 TX LARRY 89  
2:44 AA0ZZ 559 MN CRAIG 1238  
2:46 K1MG 559 CA MIKE 614  
2:47 N9KW 559 IL JOHN 1257  
2:50 K1EC 599 CT CONRAD 990W  
2:51 W8SFF 559 MI STEVE 1288  
2:53 AF4PS 579 FL MAC 704  
2:54 WD8KQY 559 OH GARY 446  
2:55 N1TP 569 FL TOM 1317  
2:57 W0JOE 559 MO JOE 1901  
2:59 N8VAR 559 OH RON 263  
3:01 VE3JC 559 ON JOHN 744  
3:02 N6WG 559 CA BOB 26  
3:03 KI0II 559 CO RON 928  
3:05 KI7MN 579 AZ BOB 271  
3:05 WE6W 559 CA ED 1068  
3:06 N0AR 559 MN SCOTT 1455  
3:07 AE2T 599 NY AL 1664  
3:08 K1QM 559 MA JOEL 337  
3:11 N2ZHY 559 NJ DAVE 2067  
3:12 K8CV 559 MI WALT 935  
3:13 W4UTI 569 AL KARL 1097  
3:15 N7GS 559 MT MAL 815  
3:16 AF4PP 579 GA CHUCK 1785  
3:18 KB9IUA 599 IL KEVIN 384  
3:19 NV4V 559 KY PETE 1721  
3:20 AA2PFD 559 NY DAVE 306  
3:25 NK6A 569 CA D9D 1517  
3:26 KU4AF 559 NC JOHN 987  
3:27 W7ILW 559 AZ HOWARD 2010  
3:28 KC1FB 559 CT JIM 29  
3:30 WB0T 449 IA JERRY 449  
3:31 KB9BVN 559 IN BRIAN 1540  
3:33 NK9G 559 WI RICK 2061  
3:37 KS4L 549 AL RANDY 468  
3:39 N3YSE 449 PA PAUL 1835  
3:41 KR0I 559 MO MAC 1037  
3:43 K1VP 559 NH ED 1960  
3:48 W2XN 559 FL FRED 1728  
3:49 AJ4Y 449 FL PAUL 1795  
3:51 N0RC 559 CO ROD 1764  
3:55 KA4BM 559 FL JIM 2W  
3:57 VE6EWM 579 AB EARL 1076

Tom Whiteside  
N5TW Georgetown, TX

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Date: Fri, 19 Nov 1999 18:26:54 EST  
From: K2UD@aol.com  
To: resmith666@uswest.net  
Cc: qrp-l@lehigh.edu  
Subject: [56373] Re: Vibroplex: K8FF NorCal key  
Message-ID: <0.aab7bb0c.256736be@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Worldradio advertised it in their December issue. First mention I saw for it, save for an e-mail from Vibroplex about it. I'm on their "preferred customer list" I guess. Buy a bug a year, you're on the list!

72

Howard Kraus, K2UD

-----  
Date: Fri, 19 Nov 1999 18:35:38 -0500  
From: Paul Stroud <aa4xx@ipass.net>  
To: QRP-L <QRP-L@lehigh.edu>  
Subject: [56374] Blue Sky Eng Query  
Message-ID: <3835DECA.8C5F42B6@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Gang,

Does anyone know the status of K1MG's Blue Sky Engineering Co.? (mfg of the K1MG Digital Clock/Freq Counter)... They have not responded to email inquiries concerning the status of my order and today when I called the telephone number on their website, I got a recording that the number was no longer in service.

Their website is still in operation, with links from NorCal and several other QRP websites. Their silence is deafening--and odd.

72, Paul AA4XX

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Date: Fri, 19 Nov 1999 18:53:57 -0500  
From: Paul Stroud <aa4xx@ipass.net>

To: QRP-L <QRP-L@lehigh.edu>  
Cc: klqrp <klqrp@waterw.com>  
Subject: [56375] [Fwd: Antenna notes]  
Message-ID: <3835E315.689097F8@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Gang,

I received several thoughtful responses to a recent posting concerning the need--or lack thereof--for a radial system for a 1/2 wave base loaded (beach mounted) 20M vertical. N3G0's response was especially insightful, and he kindly gave permission for me to pass it along to you all. Thanks, Gary! 72, Paul AA4XX

Gary E. O'Neil (N3G0) wrote:

>  
> Sir Paul;  
>  
> This is something you should be able to demonstrate to your  
> satisfaction with your antenna modeling software.  
>  
> The function of an antenna radial system is to provide a low loss  
> counterpoise for the base current of a vertical antenna (typically half  
> or 5/8 wave antennas, or odd multiples of 1/4 wavelengths). These  
> antennas  
> are current fed the same as a horizontal dipole. In fact... a horizontal  
> dipole is nothing more than a vertical on it's side with it's  
> counterpoise diametrically opposite of the radiating element. They are  
> electrically equivalent, and if you were to simply rotate your vertical  
> to a horizontal orientation, it would be roughly equivalent electrically,  
> and likely with a lower feedpoint impedance as exhibited by quarter wave  
> verticals. It would in fact yield the same angular directivity albeit  
> horizontally.  
>  
> The earth is conductive, but poorly so, and as such introduces  
> significant losses as an unaided (no highly conductive radials)  
> counterpoise. You will observe that verticals without radials are easily  
> matched. The matching network in this case, tunes out the reactance  
> presented at the base of the antenna as well as the resistive mismatch  
> from 50 ohms. The resistive mismatch (ground conductivity) losses are  
> high, and although ohms law tells us that we're transferring all our  
> power to the load (antenna), the antenna radiates inefficiently. Some of  
> the power delivered to the antenna (system) is absorbed by the earth and  
> lost to heat radiation rather than electromagnetic radiation. Radials  
> reduce the counterpoise losses by presenting a much lower counterpoise  
> impedance (copper being a better conductor than ferrite loaded silicon or

> clay), hence less power is lost to heat, and is thus launched (i.e.  
> radiated) electromagnetically.

>

> By contrast, a halfwave antenna and multiples (odd and even)  
> thereof, are voltage fed. Since there is little or (ideally) no current  
> at the base, there is little or not current in the counterpoise. In fact;  
> the first quarter wavelength of the vertical serves as an efficient  
> counterpoise to the top quarterwave. Consequently; there is little power  
> lost by the absence of an earth based "groundplane" or counterpoise at  
> the feedpoint, and little if any gain in radiation efficiency is achieved  
> in the presence of one.

>

> A highly conductive radial groundplane extending from the base of  
> either antenna system that extends for many wavelengths from the  
> feedpoint, although adding little to antenna radiation efficiency,  
> significantly lowers the radiation (take-off) angle of the system. This  
> is analogous to a beverage, or longwire antenna system, which, while  
> creating an increasing number of lobes and nulls in it's pattern, the  
> final lobe is more focused toward the far end of the longwire array. In  
> an analogous way, the extensive radial system serves to focus the energy  
> of the most distant lobe closer to the horizon.

>

> Although few of us enjoy the luxury of many wavelengths of copper as  
> a counterpoise, your own experiences at the beach hint of the benefits to  
> be gained. While salt saturated sand and a saline water table isn't as  
> conductive as copper, it's a far superior conductor over acid rain soaked  
> clay. Add in the effects of a nominally flat terrain presented by the  
> sea's surface (e.g. relative to the surface roughness of rolling hills),  
> and your already lower loss counterpoise also provides a more efficient  
> reflection surface. Its reflection efficiency increases with decreasing  
> frequency (relating wavelength to surface roughness). You can convince  
> yourself of this attribute graphically with a simple optical model. Once  
> again your antenna modeling software will bear this out if you're up to  
> creating surface impairment models.

>

> So the short of it is that what was said in 1950 remains true today  
> :-)

>

> It should begin to appear that halfwave verticals should be favored  
> over the quarterwave variety, if one can support the system, and maximum  
> radiation efficiency is desired. An extensive ground radial system  
> extending several wavelengths should be considered if low angles of  
> radiation are desired. The latter should be carefully considered with  
> equal weighting of propagation dynamics. Clearly; any radiation angle can  
> help or hinder your ability to achieve the desired results at the whim of  
> nature. Learn how to use the propagation models and plan your hours of  
> operation accordingly. It far less costly; and considerably less  
> stressful :-)

>  
> It doesn't take a tremendous leap of faith to conclude that if a  
> horizontal dipole with less than 2 Watts can reach the opposite side of  
> the globe, an efficient vertical isn't going to make a dramatic  
> improvement in signal strength or quality. It will also do no worse,  
> given an equivalent propagation path. Having both is optimum... When one  
> fails to do the job, perhaps the other will succeed. At any given time,  
> relative performance can vary by as much as 30 dB with 6 to 10 dB being a  
> more nominal variation by my own observations. Frequently; little if any  
> difference can be measured with any degree of confidence. The dynamics of  
> the environment restricts our ability to demonstrate which is the better  
> of the two. It will likely remain an emotional subject of controversy for  
> all of time :-)  
>  
> 72/73

> Gary, N3GO

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Date: Fri, 19 Nov 1999 15:56:37 -0800  
From: Jim Lowman <jmlowman@ix.netcom.com>  
To: qrp-l@lehigh.edu  
Subject: [56376] Re: Vibroplex: K8FF NorCal key  
Message-ID: <3835E3B5.6F1D558E@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ron Smith wrote:

> Hi Mark,  
  
> I am curious -- where did you get the information that allowed you to even  
> order one? I have been checking the Vibroplex web page for some time and  
> the only mention of the K8FF is at the bottom where they tell you to keep  
> watching for the new K8FF NorCal Key "coming soon" and a reference to Dayton  
> 98. Heck, even their price list is dated 1997!

Is anyone else having trouble loading the Vibroplex webpage? I get a  
lot of thumbnails that are empty, but zoom to a nice clear picture  
when clicked on, such as the straight key.

Also, I sent e-mail, asking about the Norcal key last week.  
Nothing heard yet.

72 de Jim - AD6CW

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End of QRP-L Digest 1644

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